

20020218.qrp v02_n470.qrl.20020218

Date: Mon, 18 Feb 2002 19:03:06 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2470

QRP-L Digest 2470

Topics covered in this issue include:

- 1) [120205] Home built radios
by "Karl F. Larsen" <k5di@zianet.com>
- 2) [120206] Need alignment help
by jman0iin@attbi.com
- 3) [120207] Please read ...Important
by IamSF5@aol.com
- 4) [120208] The ARRL Letter, Vol 21, No 07Sent to me by another Ham
by IamSF5@aol.com
- 5) [120209] FOX: Announcing Cub Fox 2/19/02 -- NOIT
by Dave Sjolín <sjolin@swbell.net>
- 6) [120210] ARRL DX Contest results - KC8LTL
by KENNETH ROBERT MCGUIRE <at902@tcnet.org>
- 7) [120211] Looking for help: Old Crystal Radio
by Jim Lowman <jmlowman@directvinternet.com>
- 8) [120212] OH4 with 750mw!
by "N8" <adamn@n8software.com>
- 9) [120213] Re: Looking for help: Old Crystal Radio
by "Pastor-KC1DI" <elbc@pivot.net>
- 10) [120214] Re: Suggestion for gel cell charger?
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
- 11) [120215] Old Crystal Radio [Crystal Set Society]
by Chuck Carpenter <w5usj@9plus.net>
- 12) [120216] RE: Difficulty Tuning the BLT tuner
by Monty N5FC <n5fc@io.com>
- 13) [120217] Re: OH4 with 750mw!
by "Bruzenak George" <bruzer1@mindspring.com>
- 14) [120218] RE: Difficulty Tuning the BLT tuner
by Monty N5FC <n5fc@io.com>
- 15) [120219] Want to buy....RX
by N2PTW@cs.com
- 16) [120220] Special Events Station - KL7G - Fur Rondy, Anchorage, Alaska
by Jim Larsen - AL7FS <AL7FS@ARRL.NET>
- 17) [120221] Re: Difficulty Tuning the BLT tuner
by "pschweit" <pschweit@mninter.net>
- 18) [120222] Re: TDA1072 ICs
by "Howard Kraus" <K2UD@adelphia.net>
- 19) [120223] Is anyone seeing my post?

- by IamSF5@aol.com
- 20) [120224] Re: Looking for help: Old Crystal Radio
by "George, W5YR" <w5yr@att.net>
 - 21) [120225] Re: Home built radios
by "blinn" <blinn@smgazette.com>
 - 22) [120226] Re: Looking for help: Old Crystal Radio
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
 - 23) [120227] Yet Another ARRL DX Test Account (Long)
by Lew Paceley <lew@paceley.com>
 - 24) [120228] QRPp DXCC count after ARRL DX TEST
by Jim Janack <n2jj@ix.netcom.com>
 - 25) [120229] TINY-TORNADO REV2d Transceiver Kits - REMINDER
by "Brice D. Hornback" <bdh@cyberbound.net>
 - 26) [120230] Tiny Tornado on 7.040 tonite at 0600 UTC
by Jack WsixABC <w6abc@yahoo.com>
 - 27) [120231] Re: Tiny Tornado on 7.040 tonite at 0600 UTC
by "K7FD N7SG" <k7fd@hotmail.com>
 - 28) [120232] ARRL DX Round-up
by "Adrian Weiss" <aweiss@usd.edu>
 - 29) [120233] 40m: 8 New = 79 TOT
by "Adrian Weiss" <aweiss@usd.edu>
 - 30) [120234] Re: Tiny Tornado on 7.040 tonite at 0600 UTC
by "Brice D. Hornback" <bdh@cyberbound.net>
 - 31) [120235] Re: Operating in Germany
by "Ingo, DK3RED" <dk3red@t-online.de>
 - 32) [120236] Re: Counterpoise
by "Adrian Weiss" <aweiss@usd.edu>
 - 33) [120237] Free to a good home...
by "Roger A. McCarty" <rmccarty@earthlink.net>
 - 34) [120238]
by Tom Feeny <tfeeny@comcast.net>
 - 35) [120239] 9.6V 170 mAh NiMH Where buy?
by Goran Hosinsky <hosinsky@royac.iac.es>
 - 36) [120240] QRV in ARRL Contest using SW40+
by Tom Juelich <tomjay@web.de>
 - 37) [120241] Re: Counterpoise
by ik7565@erols.com
 - 38) [120242] Re: Yet Another ARRL DX Test Account (Long)
by John R Kirby <n3aaz-qrp@juno.com>
 - 39) [120243] G0Log Palm OS contest logger v1.2.1 Full Release
by "Dave Ek" <ekdave@earthlink.net>
 - 40) [120244] ARRL DX INT. RESULTS !!!!!!!
by "George Osier" <gosier@twcnny.rr.com>
 - 41) [120245] Some PSK31 fun
by Alex <kr1st@amsat.org>
 - 42) [120246] Vertical Antenna facts
by "Karl F. Larsen" <k5di@zianet.com>
 - 43) [120247] Re: PSK-31 question --general inquiry about VFO stability

by Dave Marling <dbm@klis.com>
44) [120248] Antenna Mojo?
by W2AGN <w2agn@pobox.com>
45) [120249] a little code practice, anyone?
by David Hinerman <WD8CIV@worldnet.att.net>
46) [120250] Re: Scrub a Dub Dub...Look out for that high voltage plug.
by =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@yahoo.com>
47) [120251] Re: TDA1072 ICs -- Info pages URLs
by Nils R Young <nilsbull@juno.com>
48) [120252] SWL callsigns
by kcieslak <kcieslak@execpc.com>
49) [120253] Re: SWL callsigns
by "Ingo, DK3RED" <dk3red@t-online.de>
50) [120254] Re: SWL callsigns
by W2AGN <w2agn@pobox.com>
51) [120255] Re: vertical antenna question
by Bruce Muscolino <w6toy@erols.com>
52) [120256] Re; Free to a good home...
by "Roger A. McCarty" <rmccarty@earthlink.net>
53) [120257] ON5EX/AA4XX 30M Weekend Beacon summary
by Paul Stroud <aa4xx@ipass.net>
54) [120258] OHR Gift and Banquet Details
by Roger J Wendell <zeekzilch@juno.com>
55) [120259] AA4XX 1mW 30M beacon Mon-Thurs this week
by Paul Stroud <aa4xx@ipass.net>
56) [120260] Re: vertical antenna question
by "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
57) [120261] Re: vertical antenna question
by Alex <kr1st@amsat.org>
58) [120262] Re:
by "bob baxter" <rbaxter@cybertrails.com>
59) [120263] Re: SWL callsigns
by "K7FD N7SG" <k7fd@hotmail.com>
60) [120264] RE: Scrub a Dub Dub...Look out for that high voltage plug.
by "AI2Q Alex" <ai2q@adelphia.net>
61) [120265] RE: [fpqrp] SCORE!
by "N8IE" <n8ie@woh.rr.com>
62) [120266] Re: [SOC] Antenna Mojo?
by Macstein@aol.com
63) [120267] re: Operating in Germany
by Alan <aadelma@yahoo.com>
64) [120268] Re: TDA1072 ICs -- Info pages URLs
by "DTX" <dtx@wood.tzo.com>
65) [120269]
by "Tom Pennebaker" <n4rs@netpath-rc.net>
66) [120270] Copper Foil Antenna Failure
by "Tracy Markham" <tracy@bytemark.com>
67) [120271] Re: omni-directionality

by "K7FD N7SG" <k7fd@hotmail.com>
68) [120272] Re: vertical antenna question
by "W2WU" <w2wurjj@verizon.net>
69) [120273] Re:
by Bruce Muscolino <w6toy@erols.com>
70) [120274] Re: Broadcast Band Verticals
by KKANALZ@prodigy.net
71) [120275] Radials for Verticals
by "James R. Duffey" <jamesd1@flash.net>
72) [120276] RE: Radials for Verticals
by "Tracy Markham" <tracy@bytemark.com>
73) [120277] 7J1AAI ??????? ...where ??????????
by "George Osier" <gosier@twcnny.rr.com>
74) [120278] Re: Scrub a Dub Dub...Look out for that high voltage plug.
by "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
75) [120279] Re: [fpqrp] SCORE!
by W2AGN <w2agn@pobox.com>
76) [120280] Re: Radials for Verticals
by "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
77) [120281] Re: [fpqrp] SCORE!
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
78) [120282] More late breaking news on the TDA1072 AM rx chip
by "Nils R. Young" <nilsbull@juno.com>
79) [120283] Re: Broadcast Band Verticals
by Russ Hines <wb8zcc@one.net>
80) [120284] K1 4 Bander for Sale
by "Michael J. Golini, K1SLT" <mgolini@home.com>
81) [120285] Re: vertical antenna question
by Roy <marion@montana.com>
82) [120286] Re:
by "ZOOM" <kandrparker@sympatico.ca>
83) [120287] Vertical Antennas
by Bruce Muscolino <w6toy@erols.com>
84) [120288] Toss your battery! New charger almost here (up to 6 Watts @ 18V)
by Doug Simpson <dsimpson@darkwing.uoregon.edu>
85) [120289] Thanks everyone
by IamSF5@aol.com
86) [120290] Re: Radials for Verticals
by "James R. Duffey" <jamesd1@flash.net>
87) [120291] RE: Radials for Verticals
by "James R. Duffey" <jamesd1@flash.net>
88) [120292] [FOX] W0MC FOX LOG 2-14-02 (PRELIMINARY)
by "Jerry McCollom" <w0mc@radioactivehams.com>
89) [120293] Re: Radials for Verticals
by "Laurie Landry" <landr@nbnet.nb.ca>
90) [120294] MNQRP FYBO 20002
by "Cla KA0GKC" <ka0gkc@arrl.net>
91) [120295] Portable operations with end feed antennas

- by "Kory Hamzeh" <kory@avatar.com>
- 92) [120296] Who has the best selection and price on in-stock qrp crystals?
by "Mike, Diane and Vicky" <tignor@attglobal.net>
- 93) [120297] FOX: Reminder Cub Fox 2/19/02 - N0IT
by Dave Sjolin <sjolin@swbell.net>
- 94) [120298] Radial Installation
by Pete Burbank <plburbank@kih.net>

Date: Sun, 17 Feb 2002 17:07:07 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [120205] Home built radios
Message-ID: <Pine.LNX.4.33.0202171655280.3349-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a SMK-1 40 meter radio with a direct conversion receiver.
The purpose of this kit was to build any radio with surface mount
components. It was a huge success, because mine worked right away...:-)

But it broke my personal knowledge that a super-hetrodyne receiver
is simply the best. So I will never build a radio I plan to use any other
way. I got interested in the 2N2 design because the receiver sounds so
GOOD! I got the data on this receiver and being a EE I had little trouble
finding out why it's so good.

First the receiver audio stage is a wonderful design with proper
phase shift of the input audio so it drives a push-pull audio amp driving
a iron audio transformer! Lots of audio.

Then the cw filter is made of 3 crystals at the IF frequency of
about 4.7 MHz. They are detuned to widen the passband.

Double balanced mixers are used everywhere. There can not be a
birdy anywhere! And single conversion is just fine for 40 meters.

The 2N2/40 is a real good radio. Put it up against my Kenwood
TS-50 on Fox Hunts.

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Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 18 Feb 2002 00:25:35 +0000
From: jman0iin@attbi.com
To: qrp-1@lehigh.edu
Subject: [120206] Need alignment help
Message-ID: <20020218002535.LNAG1214.rwcrmhc54.attbi.com@rwcrrwbc56>

I built a Ramsey HR30 receiver this afternoon and was going through the alignment procedure. As far as I could tell I did all the steps right and built all the components in the right place, but I couldn't hear anything. I was using my IC-735 (with low power ALC mod) to align it with and all I heard when it was transmitting was a hissing over the entire frequency range and when I stopped transmitting I heard nothing, but static. Any ideas on what could be wrong?

73,
Jason KC0IIN

Date: Sun, 17 Feb 2002 19:37:47 EST
From: IamSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [120207] Please read ...Important
Message-ID: <197.26d6794.29a1a6db@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Guys/Gals,
Many of you have sent me some very good information on my questions about the antenna wire.
I tried to respond back to all of you.
However AOLhell is so messed up i'm now getting about 10% of mail from any addys that are not from AOL.
I called them and as always they blamed the server.
I just looked into my yahoo account and see where then more the 50 responded to my question.
So if you did not hear from please don't think I ignored you.
Now that AOL tried to put a fix on the problem I now lost the Wilderness Survival skills list.
At 3 PM I had 5 post from QRP-1 on AOL and 37 on YAHoo.com.
Thanks to all who sent me the info and I now have the printer working overtime
72/73

Bob
WA2HOQ Wating for WF2Q

Date: Sun, 17 Feb 2002 19:40:05 EST
From: IamSF5@aol.com
To: qrp-L@lehigh.edu
Subject: [120208] The ARRL Letter, Vol 21, No 07Sent to me by another Ham
Message-ID: <fe.13db178b.29a1a765@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

==>DIM LIGHT AT END OF TUNNEL IN VANITY HOLDUP

Despite a rising level of annoyance among those awaiting Amateur Radio vanity call signs, the FCC remains at a standstill in terms of resolving the current stalemate. No vanity call signs have been granted since February 1, when applications received at the FCC October 22, 23 and 24 were processed. The FCC subsequently realized that it needed further information for an October 23 application, and--at least for now--it has rescinded vanity grants for October 23 and 24.

Prior to late January, no vanity call signs had been issued since October 30. The ARRL estimates that some 1800 vanity applications now are in the FCC's processing pipeline--the majority of them filed electronically.

The current holdup stems from the fact that some mail destined for the FCC's Gettysburg, Pennsylvania, office last October was diverted to Washington, DC, with other FCC mail for anthrax decontamination. That mail, which included more than 100 vanity applications filed on paper, never got back to Gettysburg, where the FCC processes all vanity applications. Since the FCC's policy is to give equal priority to electronic and paper vanity applications, the whole process ground to a halt when the paper applications went missing.

Payment receipts were not lost, however, and using that information, FCC Wireless Telecommunications Bureau personnel in Gettysburg scrambled to contact known applicants via e-mail or telephone to have them resubmit copies of their vanity applications. That process was largely successful. Right now, it appears that only three vanity applications filed during the last couple of weeks of October remain outstanding. The FCC has been unable to reach the applicants via e-mail or telephone, however. Wireless Bureau staffers also have been dealing with similar issues involving date-sensitive applications in other radio services.

The FCC has been considering issuing a formal public notice with a cutoff date for outstanding applicants in the Amateur Vanity and in the other similarly affected FCC services to respond--a process that could take weeks. In the meantime, the ARRL has been assisting the FCC in efforts to contact the missing applicants, collect the necessary information and get it to the Commission as soon as possible. If that effort is successful, the vanity logjam could begin to break as early as next week.

Once vanity processing resumes, the FCC is not expected to process all of the remaining applications in a single batch. It's more likely that the processing would be spread out over a period of a few days.

Last week, the FCC said it was making arrangements to test for possible anthrax contamination at the off-site mailroom serving the Gettysburg office. The Gettysburg testing would be "a further precaution," the FCC said, and there was no indication that any anthrax was present at Gettysburg or that the testing would have any impact on the processing of any Amateur Service applications. Since October, the FCC has been urging all applicants to file electronically.

Date: Sun, 17 Feb 2002 18:43:11 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [120209] FOX: Announcing Cub Fox 2/19/02 -- N0IT
Message-ID: <3C704E1E.C85F24BC@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

N0IT will be your Cub Fox this Tuesday tonight, Feb 19, switching with Tony (KB9YIG) who had switched with Todd (AG0T). Confused? No need, just look for N0IT this Tuesday evening starting at 8:00PM CST (0200Z 02/19 GMT), 9:00PM EST, 7:00PM MST, 6:00PM PST). Look for me around 7.055 MHz (+/- QRM), and will be working up 300-700 hz at the start of the evening's festivities.

My exchange will resemble the following: K5DI 559 MO DAVE 5W K5DI <BK>

If I copy your info OK, I'll send "TU" or "TU DE N0IT FOX", depending on how big the pile is. If I need a fill, I'll send RPT/SPC/NAME/PWR ? <BK>, or "K5DI AGN? <BK>" if I missed the whole shebang. PLEASE NOTE: The *ONLY* time I'll be sending anything with "?" is if I'm asking for a fill. PLEASE DON'T ALL JUMP IN AT ONCE IF I SEND "K5?". :-)

I'm going to do my level best to thin the pile early. If you don't have RIT or are not equipped to work split, try to spot yourself on the high side of my TX as far as you can, and still be able to copy me. I won't work any closer to my TX frequency than about 300 hz until I can thin out the pack. If you can't spot yourself that far away, please be patient, and let me clear the pile. When things die down, I *will* work closer to my TX freq, traffic permitting, as I want to give everyone a chance at a pelt. Sit back and listen for me to start working closer to my TX freq. If things slow to a crawl later in the hunt, and I'm calling CQ FOX to drum up business, I'll take you wherever you are, but if business picks up, I'll start working up 300 hz or higher again.

So, come one, come all, and get yourself a nice pelt Tuesday night.

72/73,

Dave, N0IT

Date: Sun, 17 Feb 2002 19:54:08 -0500 (EST)
From: KENNETH ROBERT MCGUIRE <at902@tcnet.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120210] ARRL DX Contest results - KC8LTL
Message-ID: <Pine.LNX.4.21.0202171921460.25325-1000000@hendryx.tcnet.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I am not a great tester or CW operator and also had other things I had to do this weekend, so my score will not be one for the record books... I was going for improvement over my previous efforts.

Before the contest, I set 3 goals:

- 1) Asia CW QRP so I could claim WAS QRP CW
- 2) Hawaii on 20, since it is one of the 4 states I need on that band.
(The others are IN, MS, and OR)
- 3) 100 contacts in the contest, which is twice any previous CW contest.

Well, I suppose two out of three aint bad... I made 13 contacts in Asia and 133 contacts total. I managed to snare KH7R on 10 at the end, but that was my only Oceania.

Summary Sheet:

Band	QSO's	pts.	Countries
40	2	6	2
20	14	42	12
15	67	201	38

10 50 150 25
TOTAL 133 399 77

Europe was booming in... This morning 15M was packed. 10 seemed to be as well, but since I hit 10 on Saturday, I spent most of my time on 15 and 20 today.

I still haven't figured out when exactly to expect 20 to be open to any particular area, which probably has something to do with why I don't have HI on 20 yet...

Will you qsy to 10m? When ES6Q asks, YES!!! When RU1A did, I tried but heard a DL and OK fighting for the frequency, but no Russia. Oh well.

I worked very little to my south... A little bit of the Caribbean and S America, but no YV and very few LU (I suppose their problems are keeping a few hams off the air).

Sometimes staying on for "one more contact" pays off. A couple of times I was about to turn off the radio and I figure I do have time for one more contact. Who do I find? One time it was 5u9c (Niger) which I got on the first call, and another time it was un7qx (Kazakhstan).

Ken McGuire
KC8LTL in EN74cp
at902@tcnet.org

Date: Sun, 17 Feb 2002 17:06:56 -0800
From: Jim Lowman <jmlowman@directvinternet.com>
To: qrp-l@lehigh.edu
Subject: [120211] Looking for help: Old Crystal Radio
Message-ID: <3C7053B0.613BD94@directvinternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, one of my wife's friends is looking for a kit or a parts list for an old-fashioned crystal radio. You know, the old "cat whisker" project that was popular for kids in the 1950s and before.

Thanks in advance for your assistance and 72 de Jim - AD6CW

Date: Sun, 17 Feb 2002 17:13:56 -0800
From: "N8" <adamn@n8software.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [120212] OH4 with 750mw!
Message-ID: <01d301c1b819\$8a6a4cc0\$750556d1@switchmanagement.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

339 from OH4A (Finland) on 20m CW with 750mw output! Even broke a small pile up. When he called QRP? I knew I had him!

I was hilltop portable at 1200ft with my SW-20+ on batteries, driving my DK9SQ mast wire ground plane previously described on this list.

73,

Adam N.
N4EKV
Martinez, CA

Date: Sun, 17 Feb 2002 20:15:45 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <jmlowman@directvinternet.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120213] Re: Looking for help: Old Crystal Radio
Message-ID: <000d01c1b819\$cba0f0e0\$98a7ba42@dor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim,
One place that comes to mind is Antuique Electronic supply. They have a Web page at
<http://www.tubesandmore.com/index.html>
They list several books and kits and parts for Crystal radios.
Happy hunting,
73 dave kc1di

----- Original Message -----
From: "Jim Lowman" <jmlowman@directvinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, February 17, 2002 8:06 PM
Subject: Looking for help: Old Crystal Radio

> Gang, one of my wife's friends is looking for a kit or a parts list for
> an old-fashioned crystal radio. You know, the old "cat whisker" project
> that was popular for kids in the 1950s and before.

>

> Thanks in advance for your assistance and 72 de Jim - AD6CW

>

>

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.324 / Virus Database: 181 - Release Date: 2/14/02

Date: Sun, 17 Feb 2002 20:21:06 -0500

From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>

To: adamn@n8software.com

Cc: qrp-1@Lehigh.EDU

Subject: [120214] Re: Suggestion for gel cell charger?

Message-ID: <0F414D1E37.9EAE727A-0N85256B64.00011440@troy.pmifeg>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Adam,

I recently purchased a PowerSonic PSC-12500-A (www.powersonic.com) from Mouser (www.mouser.com). This is a two stage automatic charger (rapid charge followed by a float charge) suitable for 12vdc batteries from something like 2 - 10 aH rating, from the maker of a popular gel cell. Price? About \$40. Form factor? A large "wall wart" cube with two screw terminals -- you supply your own cable and connectors.

Simple, elegant, designed for gel cells.

Steve

aa8af

"Adam Nathanson" <adamn@n8software.com>

Sent by: owner-qrp-1@Lehigh.EDU
02/15/2002 07:14 PM
Please respond to adamn

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Suggestion for gel cell charger?

I have two 12V 2AH gel cells and am wondering what I can use to charge them.

Any kits out there or low-cost commercial products that would work?

73,

Adam N.
N4EKV
Oakland, CA

Date: Sun, 17 Feb 2002 19:27:57 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: jmlowman@directvinternet.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [120215] Old Crystal Radio [Crystal Set Society]
Message-ID: <3.0.2.32.20020217192757.006ace54@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jim,

Try here. Lots of good stuff on this site.

<http://www.midnightscience.com/>

Chuck Carpenter, W5USJ, Point, Rains Co, TX EM22cv, NE-TX QRP #1

Date: Sun, 17 Feb 2002 19:43:44 -0600
From: Monty N5FC <n5fc@io.com>
To: pschweit@mninter.net, qrp-1@Lehigh.edu
Subject: [120216] RE: Difficulty Tuning the BLT tuner
Message-ID: <5.1.0.14.1.20020217191746.00aafd70@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey Phillip!

The BLT Tuner doesn't have a lot of impedance transformation range. For example, I was using mine while portable today, on an end-fed wire that was slightly less than 1/3-wave on 30 M, and couldn't get it to tune. Switched to my RFD antenna, which is somewhere between 35 and 75 ohms, and it tuned right up. I'm not sure it will tune much more than 200 ohms or so reactive.

I've found the BLT mainly works with balanced antennas that have feedpoint impedances in the ballpark of 35-150 ohms. This would include doublet antennas that are +/-25% of the nominal length for a dipole, full-wave loops, and 1/4-wave verticals with a counterpoise.

I've had no trouble tuning the Notebook using the Emtech ZM-2 and MFJ-970, but both have quite a bit more tuning range.

Still, there are things you can do: carry extra feedline, 1/8-wave long, and 1/4-wave long for the bands of interest. Use them as extensions to the current feedline. Try one, then the other if the BLT doesn't tune it. One of them is almost certain to give enough impedance transformation to load with the BLT.

Second - this works sometimes - carry a 1/4-wave counterpoise, cut for the lowest frequency. If the BLT doesn't tune up, hang the counterpoise on the TX chassis, and see if that makes a diff.

How did you mount the Notebook? If you mount it on a hotel room wall with lots of metal wires in it, the coupling to the wires may really make the behavior unpredictable. Keep it in the clear as much as possible, and away from large metallic objects.

By the way, in my experience anyway, the N5FC Notebook antenna does a credible job on bands 20M and above, but it's rarely my first choice for QRP portable ops. Nevertheless, it's a convenient way to package an indoor portable antenna. See it at <http://www.io.com/~n5fc/>

73,
monty N5FC

>Date: Sun, 17 Feb 2002 16:57:28 -0600
>From: "pschweit" <pschweit@mninter.net>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: [120199] difficulty tuning the BLT tuner
>Message-ID: <001301c1b806\$7ade7b40\$c7e7add1@pschweit>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
>Content-Transfer-Encoding: 7bit
>
>
>I am using the BLT tuner on an N5FC notebook antenna.
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>The question is : does it make a large difference to use speaker wire
>instead of twin lead?
>
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>it almost tunes on 10,,, does not tune on 15 and 20
>
>
>Philip
>KA0PGQ

Monty Northrup, N5FC
Austin, Texas
e-mail: n5fc@io.com
web page (ham radio): <http://www.io.com/~n5fc>
web page (home): <http://www.io.com/~maddog>

Date: Sun, 17 Feb 2002 18:41:15 -0700
From: "Bruzenak George" <bruzer1@mindspring.com>
To: <adamn@n8software.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [120217] Re: OH4 with 750mw!
Message-ID: <002d01c1b81d\$5b89bb80\$0bac85ce@bruzenak55>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Adam,

Hmmm --- maybe I primed him for QRP. I got him at 0224Z on 02/17 - 14.033MHz

That contest was fun for QRP'ing.

George K0CNT

----- Original Message -----

From: "N8" <adamn@n8software.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, February 17, 2002 6:13 PM

Subject: OH4 with 750mw!

> 339 from OH4A (Finland) on 20m CW with 750mw output! Even broke a small
> pile up. When he called QRP? I knew I had him!

>

> I was hilltop portable at 1200ft with my SW-20+ on batteries, driving my
> DK9SQ mast wire ground plane previously described on this list.

>

>

> 73,

>

> Adam N.

> N4EKV

> Martinez, CA

>

Date: Sun, 17 Feb 2002 19:50:09 -0600

From: Monty N5FC <n5fc@io.com>

To: pschweit@mninter.net, qrp-1@Lehigh.edu

Subject: [120218] RE: Difficulty Tuning the BLT tuner

Message-ID: <5.1.0.14.1.20020217194628.00ab06a0@mail.io.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Oh... in answer to your question: speaker lead - for feedline - is probably rather lossy at 15 M and above. But it should work. I don't know how to predict the velocity factor, if you want to cut it a certain wavelength: I'd guess around 75% but maybe somebody on the list has actually measured.

73 again,
monty N5FC

Hey Phillip!

The BLT Tuner doesn't have a lot of impedance transformation range. For example, I was using mine while portable today, on an end-fed wire that was slightly less than 1/3-wave on 30 M, and couldn't get it to tune. Switched to my RFD antenna, which is somewhere between 35 and 75 ohms, and it tuned right up. I'm not sure it will tune much more than 200 ohms or so reactive.

I've found the BLT mainly works with balanced antennas that have feedpoint impedances in the ballpark of 35-150 ohms. This would include doublet antennas that are +/-25% of the nominal length for a dipole, full-wave loops, and 1/4-wave verticals with a counterpoise.

I've had no trouble tuning the Notebook using the Emtech ZM-2 and MFJ-970, but both have quite a bit more tuning range.

Still, there are things you can do: carry extra feedline, 1/8-wave long, and 1/4-wave long for the bands of interest. Use them as extensions to the current feedline. Try one, then the other if the BLT doesn't tune it. One of them is almost certain to give enough impedance transformation to load with the BLT.

Second - this works sometimes - carry a 1/4-wave counterpoise, cut for the lowest frequency. If the BLT doesn't tune up, hang the counterpoise on the TX chassis, and see if that makes a diff.

How did you mount the Notebook? If you mount it on a hotel room wall with lots of metal wires in it, the coupling to the wires may really make the behavior unpredictable. Keep it in the clear as much as possible, and away from large metallic objects.

By the way, in my experience anyway, the N5FC Notebook antenna does a credible job on bands 20M and above, but it's rarely my first choice for QRP portable ops. Nevertheless, it's a convenient way to package an indoor portable antenna. See it at <http://www.io.com/~n5fc/>

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monty N5FC

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>From: "pschweit" <pschweit@mninter.net>
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>Message-ID: <001301c1b806\$7ade7b40\$c7e7add1@pschweit>
>MIME-Version: 1.0
>Content-Type: text/plain;
> charset="iso-8859-1"
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>
>
>it almost tunes on 10,,, does not tune on 15 and 20
>
>
>Philip
>KA0PGQ

Date: Sun, 17 Feb 2002 21:00:07 EST
From: N2PTW@cs.com
To: qrp-1@lehigh.edu
Subject: [120219] Want to buy....RX
Message-ID: <125.c11473f.29a1ba27@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I am looking to buy a receiver to use with my little tx's. It needs to be in good working condition. I will pay a fair price plus shipping for either of the following.

Atlas RX-110 or Lafayette HA-800B

Thank You Les K4NK

Date: Sun, 17 Feb 2002 17:02:25 -0900
From: Jim Larsen - AL7FS <AL7FS@ARRL.NET>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Cc: Jim Eshleman - QRP-L Administrator - N3VXI <jce0@lehigh.edu>,
Corliss - AL1G <missmcq@alaska.net>,
Subject: [120220] Special Events Station - KL7G - Fur Rondy, Anchorage, Alaska
Message-ID: <3C7060B1.79947C6C@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Just curious...did any of you work KL7G the past three days on SSB?
Corliss (AL1G) was running the KL7G club callsign as special event
station for Anchorage Fur Rendezvous and the World Championship Dog Sled
Race. Corliss is a new Yaesu FT-817 owner and I asked her to listen for
QRP stations when she got a chance. When I left early today she had
over 1250 QSOs in the logbook with maybe 3-4 more hours to go. She was
operating from the new Anchorage Amateur Radio Club Communications
Control Vehicle that the club is putting together
(<http://www.arrl.org/news/stories/2002/01/09/1/?nc=1>).
The antenna was a triband beam up 40 feet on the generator/tower trailer
that we have for our emergency communications. She was 100% generator
power and parked right next to the dog sled race track. I believe QSLs
are to go via AL1G.

This email is also a way to see if QRP-L is accepting my emails yet. It
has been over a month since I tried to post and as you all may recall,
lehigh had not been working for quite a few of us most of Dec/Jan.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<mailto:al7fs@arrl.net> - <http://www.qsl.net/al7fs/>

Date: Sun, 17 Feb 2002 20:14:21 -0600
From: "pschweit" <pschweit@mninter.net>
To: <qrp-l@lehigh.edu>, "Monty N5FC" <n5fc@io.com>
Subject: [120221] Re: Difficulty Tuning the BLT tuner
Message-ID: <001f01c1b821\$fbcc8240\$1de7add1@pschweit>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

thanks,, on the info

Trying to use the notebook antenna on an apartment window in a concrete
wall. the hardware in the window is all vinyl so I think that is not an
issue. I will try a different feed line system and let you know what the
results are

Philip
ka0pgq

----- Original Message -----

From: Monty N5FC <n5fc@io.com>
To: <pschweit@mninter.net>; <qrp-1@Lehigh.edu>
Sent: Sunday, February 17, 2002 7:50 PM
Subject: RE: Difficulty Tuning the BLT tuner

> Oh... in answer to your question: speaker lead - for feedline - is
probably
> rather lossy at 15 M and above. But it should work. I don't know how to
> predict the velocity factor, if you want to cut it a certain
> wavelength: I'd guess around 75% but maybe somebody on the list has
> actually measured.
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> slightly less than 1/3-wave on 30 M, and couldn't get it to tune. Switched
> to my RFD antenna, which is somewhere between 35 and 75 ohms, and it tuned
> right up. I'm not sure it will tune much more than 200 ohms or so
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> impedances in the ballpark of 35-150 ohms. This would include doublet
> antennas that are +/-25% of the nominal length for a dipole, full-wave
> loops, and 1/4-wave verticals with a counterpoise.
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One
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> with the BLT.
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> lowest frequency. If the BLT doesn't tune up, hang the counterpoise on
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> TX chassis, and see if that makes a diff.
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> How did you mount the Notebook? If you mount it on a hotel room wall with

> lots of metal wires in it, the coupling to the wires may really make the
> behavior unpredictable. Keep it in the clear as much as possible, and
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> from large metallic objects.
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> credible job on bands 20M and above, but it's rarely my first choice for
> QRP portable ops. Nevertheless, it's a convenient way to package an
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> 73,
> monty N5FC
>
> >Date: Sun, 17 Feb 2002 16:57:28 -0600
> >From: "pschweit" <pschweit@mninter.net>
> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
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> >Message-ID: <001301c1b806\$7ade7b40\$c7e7add1@pschweit>
> >MIME-Version: 1.0
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> >it almost tunes on 10,,, does not tune on 15 and 20
> >
> >
> >Philip
> >KA0PGQ
>

Date: Sun, 17 Feb 2002 21:18:13 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <nilsbull@juno.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [120222] Re: TDA1072 ICs
Message-ID: <004201c1b822\$8688ddc0\$07633018@buf.adelphia.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That's an easy one Nils. It's building season. There is no control, no thought to it. It's simply instinctive.

Don't worry, it will pass when the Spring comes and we all come out of our caves.

72

Howard Kraus, K2UD

> Why am I tryin' to build another radio? Tell me. C'mon, tell me why I'm
> even thinking about this stuff, just back from Puerto Rico a week and all
> that? Huh? Why? WHY!?!?!?
>
> Please . . . (whimper) . . . Tell me why . . .
>
> 73
>
> Nils

Date: Sun, 17 Feb 2002 21:28:29 EST
From: IamSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [120223] Is anyone seening my post?
Message-ID: <126.bfe1f31.29a1c0cd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I made 2 post that did not show.
Now i'm getting only 1 post from QRP-L for every 10 on Yahoo.com
Please let me know if this makes it.
Thanks
Bob
WA2HQrp <tm>

Date: Sun, 17 Feb 2002 20:35:58 -0600
From: "George, W5YR" <w5yr@att.net>

To: jmlowman@directvinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120224] Re: Looking for help: Old Crystal Radio
Message-ID: <3C70688E.3C8D1A35@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim, get in touch with Brice Hornback, KA8MAV. He used to kit such a radio and can help you find one or at least the parts. His email is

bdh@cyberbound.net

I was poking a cat's whisker in the 30's, Jim! <:}

72/73/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Jim Lowman wrote:

>

> Gang, one of my wife's friends is looking for a kit or a parts list for
> an old-fashioned crystal radio. You know, the old "cat whisker" project
> that was popular for kids in the 1950s and before.

>

> Thanks in advance for your assistance and 72 de Jim - AD6CW

Date: Sun, 17 Feb 2002 18:55:03 -0800
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120225] Re: Home built radios
Message-ID: <000601c1b827\$ab96b2e0\$8969f040@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl, sure glad we have real smart guys like you around. Thanks so much for this wonderful, revealing commentary on receivers. If I ever decide to try

my hand at building something, can I depend on you for your EE expertise?

Regards,

Bill - WA7TQK

--

Date: Sun, 17 Feb 2002 22:16:11 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: jmlowman@directvinternet.com
Cc: qrp-1@Lehigh.EDU
Subject: [120226] Re: Looking for help: Old Crystal Radio
Message-ID: <0F204FEE6D.531E5379-0N85256B64.00102EDC@troy.pmifeg>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Jim,
Have you looked at this site?

<http://www.midnightscience.com/>

Which appears dedicated to the art of crystal radio. Then there's this:

<http://w3.one.net/%7Echarlie/contest/>

This is "crystal radio" at it's finest! (look at the entries listed down the left of the page under "list of contestants" and follow the links...)

73,
Steve
aa8af

Jim Lowman <jmlowman@directvinternet.com>
Sent by: owner-qrp-1@Lehigh.EDU
02/17/2002 08:06 PM
Please respond to jmlowman

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

cc:
Subject: Looking for help: Old Crystal Radio

Gang, one of my wife's friends is looking for a kit or a parts list for an old-fashioned crystal radio. You know, the old "cat whisker" project that was popular for kids in the 1950s and before.

Thanks in advance for your assistance and 72 de Jim - AD6CW

Date: Sun, 17 Feb 2002 21:25:42 -0600
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120227] Yet Another ARRL DX Test Account (Long)
Message-ID: <002901c1b82b\$f24383e0\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I really wasn't intending to contest this weekend. Turned on the radio and blam, I'm in the middle of DX pandemonium. Having recently moved to a new QTH I've had to reset all my awards totals so I thought, "hey, I'll grab a few countries QRP and try the contest". No goals, no computerization...totally and completely unprepared. I have two temporary antennas, an endfed 20m dipole thrown over one side of the roof and an endfed 40m dipole thrown over the other side of the roof, max height of either about 20 feet. I do live on a hill surrounded by other hills so I continue to hope for some low angle takeoff advantage but its not clear I have any.

Start operating my first CW DX test and I'm having a blast. The CW speed is challenging and busting through pileups with only 5W is tough. First QSO in the log at 1555Z with JA3YBK on 20m. Wow, Japan on 5W! I operated a few hours on and off. Quit shortly after 1 AM central after logging New Zealand and the Canary Islands. With the other QSOs WAC QRP! Got a good nights sleep. First QSO Sunday AM at 1545. Decided to try and stay with it and see how many countries I could work til the end of the contest.

Grand total: 58 countries and 77 Qs, 40m-10m. Spent most of my time in S&P mode looking for the new countries so my Q total is not high. In retrospect I probably should have been pushing the Qs near the end

when the new countries are few and far between. I forgot about the 100Q pin - next time!

Highlights:

- 57 new DXCC entities QRP, up from 3 :-)
- WAC QRP
- Working 4U1ITU after hearing Mac, AF4PS get him
- Working Alaska, 40m-10m and Hawaii on 40m and 10m
 Tnx KL7Y and KH7R teams!
- Finally working Guantanamo Bay...so close but so far.
- The patience of the DX ops in pulling a weak QRPer through despite the repeats and fills

Lowlights:

- Never heard any VKs, nor any PYs - for this QTH, odd.
- EA8s were the only African stations heard
- Only heard one continental EA and no Portugal
- Heard T99W in Bosnia but couldn't bust through
- Finally hearing a NP4 in the final 10 minutes but no QSO

For the upcoming CQ WW DX and next year's contest:

- Schedule the weekend ahead
- Thoughtfully set goals
- Better antennas
- TR Log competency, computer keying
- Solid 40wpm contest receive speed

This weeks brain tickler: why send 'nnn' rather than 'kw'?

72/73,
Lew
N5ZE

Date: Sun, 17 Feb 2002 23:13:56 -0500
From: Jim Janack <n2jj@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [120228] QRPp DXCC count after ARRL DX TEST
Message-ID: <5.1.0.14.0.20020217230517.009ef430@pop.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Added the following new ones to the milliWatt totals this weekend:

A45XR 10m 500 mW

EX2X 10m 500mW
JA6WFM/HR3 10m 500mW
OH0R 10m 100mW
UP6P 10m 500mW

This brings the total to 138 QRPp countries.

My country tabulation is at <http://www.qsl.net/n2jj> for those interested.

Hope everyone had fun in this one

72

Jim N2JJ

Date: Mon, 18 Feb 2002 00:26:27 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120229] TINY-TORNADO REV2d Transceiver Kits - REMINDER
Message-ID: <070201c1b83c\$d07bb000\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone! This is a reminder that I'm currently accepting a FEW prepaid orders for new REV2d Tiny-Tornado transceiver kits. Just like before, these are prepaid advanced orders. I have to receive payment for enough of them to pay for the parts. Once I receive enough orders I will order the parts and boards which are shipped to me via Priority Mail and then put the kits together and ship them out to you.

If you would rather pay by check or money order, simply use the form (shopping cart) on the Web site to figure out what you want and then send me an email. I'll reply with instructions for sending payment.

So, if you haven't already, check out the Tiny-Tornado kit at <http://www.QRPp-I.com>

* Remember, this is a Limited Edition run of kits *
* and time is running out to place your order. *

Check them out at <http://www.QRPp-I.com>

The direct link to the TINY-TORNADO page:
<http://www.QRPp-I.com/tinytornado.htm>

Let me know if you have any questions or have any problems with the order form.

THANKS for all the interest!

73/72/71! de Brice KA8MAV

Date: Sun, 17 Feb 2002 21:48:03 -0800 (PST)
From: Jack WsixABC <w6abc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [120230] Tiny Tornado on 7.040 tonite at 0600 UTC
Message-ID: <20020218054803.28584.qmail@web14206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'll be calling CQ with the beam pointed north tonight (Sunday) at 0600 UTC on 7.040 running on the 9v battery at about 250 mW output. I'll be calling and listening for about 15 minutes or as long as there is a QSO to be had. Best DX so far with this Altoids boxed rig is into North Dakota.
72,
Jack W6ABC

=====
Website: <http://home.pacbell.net/friday2k>
QRP-L #2193 SOC#165 K2#1272 K1#37 QRPp-I #176

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
<http://sports.yahoo.com>

Date: Sun, 17 Feb 2002 22:05:54 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: w6abc@yahoo.com, qrp-l@Lehigh.EDU
Subject: [120231] Re: Tiny Tornado on 7.040 tonite at 0600 UTC
Message-ID: <F177oscRkpFzwUUhE2P000187f7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

0604UTC your CQ is 589 into Oregon...but I'm on 75m SSB right now, hi!

73 John K7FD

>From: Jack WsixABC <w6abc@yahoo.com>

>

>I'll be calling CQ with the beam pointed north tonight

>(Sunday) at 0600 UTC on 7.040 running on the 9v

>battery at about 250 mW output. I'll be calling and

>listening for about 15 minutes or as long as there is

>a QSO to be had. Best DX so far with this Altoids

>boxed rig is into North Dakota.

>72,

>Jack W6ABC

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Mon, 18 Feb 2002 00:35:46 -0600 (CST)

From: "Adrian Weiss" <aweiss@usd.edu>

To: qrp-l@lehigh.edu

Subject: [120232] ARRL DX Round-up

Message-ID: <Pine.SOL.4.03.10202180020360.11596-100000@sunburst.usd.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all:

Backed into the ARRL DX by finishing a kit and installing that SuperTick keyers in it. So I had to see how it all worked. Well, the proposed couple of hours got out of hand because "they just kept comin"! End results:

40m 57Q's 40mult

20m 90Q's 43mult

15m 36Q's 26mult

10m 49Q's 32mult

So, it started w. the new rig on 20m for a couple of hours. Then I recalled my focusing on 40m last year and pulled out the Sierra and retuned the 30m dipoles for 40m. I have them "X" oriented NE/SW and NW/SE and didn't think they'd be directional on 40. They were! Incidentally, both are fed with cheapie twinlead. Well, 40 was as great as I ever heard it --

most of the DX was shoulder-to-shoulder with the locals -- unbelievable. So, I kept plugging away and did 53 in 5 hours -- w. breaks for making coffee etc.. Most incredible event -- a string of 6 JA's! I don't think I've ever heard JA's on 40m!

Incidentally, when a bunch of us vets toss out the idea of feeding a dipole with balanced line because you can't screw up such an antenna and it just plain works on a lot of bands, this 40m stuff was worked with 30m dipoles up 45ft. I didn't even try 80m w. them -- too far down!

10m was also fabulous. I hadn't run my Sierra on 10m for a while, so I fiddled with the module and retuning the dipoles on 10 for 20 mins, and then got swept away! about 37q's in the first hour -- about as fast as I can go on S&P! Half way thru I thought "this must be what it is like with a KW instead of 1.2 watts!"

My one problem is having DX try to get me to QSY. Sat 0H2BH tried to talk me down to 40m from 10m -- in the middle of the afternoon! Fat chance! I told him I was only running QRP! Any rate, I called him a bunch of times Fri. night. Sat nite on 40 was totally lousy. I went on at 0447 and first QSO was EA6SX @ 0511. Only 3 others that nite!

I heard QRP'rs out there. Worked LU5EE, PY1KS/QRP, and LU5FZ/QRP on 10m all running 5w!

Hope you all had a great time!

72, Ade

Date: Mon, 18 Feb 2002 00:38:35 -0600 (CST)
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [120233] 40m: 8 New = 79 TOT
Message-ID: <Pine.SOL.4.03.10202180037050.13500-100000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Forgot to mention that I worked 8 new ones on 40m bringing the DXCC total up to 79.
72, Ade

Date: Mon, 18 Feb 2002 01:40:41 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <w6abc@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120234] Re: Tiny Tornado on 7.040 tonite at 0600 UTC
Message-ID: <071801c1b847\$2fb58aa0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jack,

If you're still around... drop me an email and I'll listen for you. Right now I'm playing around with my PTO/VFO tuned Tiny-Tornado. I *completely* removed all the shortwave broadcast interference I was having tonight with a SIMPLE and also SINGLE mod... I put a 10uH choke on the key line as close to the PCB as possible. I actually have about a 1" wire going from the choke to the PCB. I soldered the 10uH choke directly to the key jack. What a difference that made! Usually, I don't suffer from any broadcast noise... but tonight it was especially bad. That simple mod made all the difference in the world and now I have zero shortwave broadcast interference.

Let me know if you're still around...

73/72/71! de Brice KA8MAV

----- Original Message -----

From: "Jack WsixABC" <w6abc@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, February 18, 2002 12:48 AM
Subject: Tiny Tornado on 7.040 tonite at 0600 UTC

> I'll be calling CQ with the beam pointed north tonight
> (Sunday) at 0600 UTC on 7.040 running on the 9v
> battery at about 250 mW output. I'll be calling and
> listening for about 15 minutes or as long as there is
> a QSO to be had. Best DX so far with this Altoids
> boxed rig is into North Dakota.
> 72,
> Jack W6ABC
>
> =====
> Website: <http://home.pacbell.net/friday2k>
> QRP-L #2193 SOC#165 K2#1272 K1#37 QRPp-I #176
>
> -----

> Do You Yahoo!?
> Yahoo! Sports - Coverage of the 2002 Olympic Games
> <http://sports.yahoo.com>
>

Date: Mon, 18 Feb 2002 07:59:57 +0100
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [120235] Re: Operating in Germany
Message-ID: <3C70A66D.3D10E5F8@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Alan,

> ... Am I missing something?

I found the complete guestlicensing procedure (for CEPT and Non-CEPT countries) here in German on the web pages of my club (DARC).

<http://www.darc.de/referate/ausland/foreign/license-procedure.html>

--
72/73 de Ingo, DK3RED Don't forget: the fun is the power!
 dk3red@t-online.de <http://www.qsl.net/dk3red>
 DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Mon, 18 Feb 2002 01:04:17 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [120236] Re: Counterpoise
Message-ID: <4XSE9GFKGHFUP3YTR050NGBP0DB4WJI.3c70a771@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi Alex:

When you drape the 1/4 wave "counterpoise" on the ground, it is totally detuned and no longer an electrical 1/4 wavelength. As you discovered, it has to be at some height above ground to do its job. 20" and the perfect SWR, however, is a bit misleading. Your SWR is probably partially a result of ground losses. Probably should be about 3ft up. But will

probably work just as well as you have it.

72, Ade

"I was just experimenting with a hamstick 10 meter antenna and a 1/4 wave counterpoise. I always thought one could simply drape the counterpoise on the ground, but I found that I had to elevate the full length of the counterpoise at about 20" to get a perfect SWR. When I drape it on the ground I can only get the SWR down to an acceptable value with the tuner."

Date: Sun, 17 Feb 2002 23:03:34 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [120237] Free to a good home...
Message-ID: <000001c1b84a\$61b929a0\$2802a8c0@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Vibroplex "Brass Racer" keyer PCB.

This is a working PCB and components for the keyer built into the triangular shaped Brass Racer. It uses a Curtis 8044 chip (Not 8044B). Works perfectly. I removed it from my Brass racer as I am a Mode "B" kinda guy.

Roger KD6CC

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.324 / Virus Database: 181 - Release Date: 2/14/2002

Date: Mon, 18 Feb 2002 05:34:54 -0500
From: Tom Feeny <tfeeny@comcast.net>

To: *QRP-L <qrp-l@Lehigh.EDU>
Message-ID: <000101c1b867\$e8e8d5c0\$24553e44@EndUser.waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Someone posted that some Gap antennas are not very good.
Does this apply to all verticals or just these models?
What about the Cushcraft R8 or R6000?
Tom, W8K0X

Date: Mon, 18 Feb 2002 11:30:52 +0000
From: Goran Hosinsky <hosinsky@royac.iac.es>
To: qrp-l@Lehigh.EDU
Subject: [120239] 9.6V 170 mAh NiMH Where buy?
Message-ID: <3C70E5EC.16794654@royac.iac.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,
GP batteries have a 9V type NiMH accumulator of 170 mAh
which is fast-chargable, the GP17R9H. I have not been
able to find anyone selling this accumulator. Would be
fine for powering the tiny tornado and similar rigs.
73
Goran ea8yu
La Palma Island, Islas Canarias

Date: Mon, 18 Feb 2002 12:41:43 +0100
From: Tom Juelich <tomjay@web.de>
To: qrp-l@lehigh.edu
Subject: [120240] QRV in ARRL Contest using SW40+
Message-ID: <3C70E876.A6D781C4@web.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

This weekend I thought to myself wouldn't it be a good idea
to use the big activity from sateside to have some QRP DX QSOs?
And really it was. There were a lot of big guns taking part in
the ARRL contest. Many of them are using big antennas so this
was a very good chance for a station with a simple antenna and

low power.

And indeed I could work a couple of stations in W1,2,3 and also W4 and W8 aerea.Of course there were questions on the number I sent (599 002), it seems there were no many callers with QRP. One came back to me with an " Hi ". Who knows what he meant, may be he wanted to encourage me, but may be he did not believe my 2 Watts!?

So any way I want to encourage every QRP station to be active and to call far away stations even it might be difficult for them to understand.But sure they will be happy about every single point in the contest too.

73 de Tom, DL2HRF rig: SW40+ ,2W out R7 Vertical 9m up

Date: Mon, 18 Feb 2002 07:18:54 -0500

From: ik7565@erols.com

To: aweiss@usd.edu

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [120241] Re: Counterpoise

Message-ID: <3C70F12E.524CCD13@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I just lay mine on the balcony and half of it goes over the side of the building. On 10m it never gets off the balcony. Maybe the balcony doesn't count as a ground since it's the 5th floor. No matter - still working after 80 countries and WAS. Very close to 1:1 with LDG autotuner.

73 de Ian

N8IK

Adrian Weiss wrote:

>

> Hi Alex:

>

> When you drape the 1/4 wave "counterpoise" on the ground, it is totally
> detuned and no longer an electrical 1/4 wavelength. As you discovered,
> it has to be at some height above ground to do its job. 20" and the
> perfect SWR, however, is a bit misleading. Your SWR is probably partially
> a result of ground losses. Probably should be about 3ft up. But will
> probably work just as well as you have it.

>

> 72, Ade
>
> "I was just experimenting with a hamstick 10 meter antenna and a 1/4 wave
> counterpoise. I always thought one could simply drape the counterpoise
> on the ground, but I found that I had to elevate the full length of the
> counterpoise at about 20" to get a perfect SWR. When I drape it on the
> ground I can only get the SWR down to an acceptable value with the
> tuner."

Date: Mon, 18 Feb 2002 07:55:05 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: lew@paceley.com, qrp-1@Lehigh.EDU
Subject: [120242] Re: Yet Another ARRL DX Test Account (Long)
Message-ID: <20020218.075641.-183461.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

RE:Operating

What a delightful, refreshing post . . .

a big T H A N K Y O U ! !

John
N3AAZ
FM 19 xa

On Sun, 17 Feb 2002 21:25:42 -0600 Lew Paceley <lew@paceley.com> writes:
>I really wasn't intending to contest this weekend. Turned on the
>radio and blam, I'm in the middle of DX pandemonium. Having recently
>moved to a new QTH I've had to reset all my awards totals so I
>thought, "hey, I'll grab a few countries QRP and try the contest".
>No
>goals, no computerization...totally and completely unprepared. I
>have
>two temporary antennas, an endfed 20m dipole thrown over one side of
>the roof and an endfed 40m dipole thrown over the other side of the
>roof, max height of either about 20 feet. I do live on a hill
>surrounded by other hills so I continue to hope for some low angle
>takeoff advantage but its not clear I have any.
>
>Start operating my first CW DX test and I'm having a blast. The CW

>speed is challenging and busting through pileups with only 5W is
>tough. First QSO in the log at 1555Z with JA3YBK on 20m. Wow, Japan
>on 5W! I operated a few hours on and off. Quit shortly after 1 AM
>central after logging New Zealand and the Canary Islands. With the
>other QSOs WAC QRP! Got a good nights sleep. First QSO Sunday AM at
>1545. Decided to try and stay with it and see how many countries I
>could work til the end of the contest.

>

>Grand total: 58 countries and 77 Qs, 40m-10m. Spent most of my time
>in S&P mode looking for the new countries so my Q total is not high.
>In retrospect I probably should have been pushing the Qs near the end
>when the new countries are few and far between. I forgot about the
>100Q pin - next time!

>

>Highlights:

- > - 57 new DXCC entities QRP, up from 3 :-)
- > - WAC QRP
- > - Working 4U1ITU after hearing Mac, AF4PS get him
- > - Working Alaska, 40m-10m and Hawaii on 40m and 10m
- > Tnx KL7Y and KH7R teams!
- > - Finally working Guantanamo Bay...so close but so far.
- > - The patience of the DX ops in pulling a weak QRPer through
- > despite the repeats and fills

>

>Lowlights:

- > - Never heard any VKs, nor any PYs - for this QTH, odd.
- > - EA8s were the only African stations heard
- > - Only heard one continental EA and no Portugal
- > - Heard T99W in Bosnia but couldn't bust through
- > - Finally hearing a NP4 in the final 10 minutes but no QSO

>

>For the upcoming CQ WW DX and next year's contest:

- > - Schedule the weekend ahead
- > - Thoughtfully set goals
- > - Better antennas
- > - TR Log competency, computer keying
- > - Solid 40wpm contest receive speed

>

>This weeks brain tickler: why send 'nnn' rather than 'kw'?

>

> 72/73,
> *Lew*
> N5ZE

>

>

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 18 Feb 2002 05:57:50 -0700
From: "Dave Ek" <ekdave@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [120243] Golog Palm OS contest logger v1.2.1 Full Release
Message-ID: <000d01c1b87b\$e38336c0\$0100a8c0@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All,

(Golog is a free field contest logging program for Palm OS. You can also use it to handle contest CW keying if you build a Serial CW Sender interface circuit. See the web page below for details.)

I've finished the latest version of Golog, version 1.2.1. It contains one enhancement and a few bug fixes since version 1.2.0:

- Choose either a 1x1 or 2x2 CQ call when using the Serial CW Sender
- fixed problem with automatic duping
- fixed problem with sending fills
- now includes a Users Guide (in PDF format), which is installed to the PC during installation

Also, I've released updated PIC code for the Serial CW Sender so that a paddle can be plugged in for manual keying. The keyer supports both Curtis modes A and B. The Golog Users Guide appendix contains information on how to construct the Serial CW Sender.

You can download it from my Golog web page (note this is a new address!):

<http://home.earthlink.net/~golog>

This is a full installation of Golog and can be installed over the top of previous installations. Once again, this new version will not be able to open logs created with older versions of Golog.

Let me know what you think of it. Enjoy...

73 de Dave NK0E

Date: Mon, 18 Feb 2002 08:06:56 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [120244] ARRL DX INT. RESULTS !!!!!!!
Message-ID: <014501c1b87d\$24afac40\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!!

Had my best results ever for QRP !!!!! And also worked 3 new mw countries
!!! I used full power on the Argo 509 HIHI 2 watts on 10
meters , 3 watts on 15 meters , 4 watts on 20 meters and full 5 watts on 40.

Breakdown:

40 METERS 15 QSOS 45 POINTS 11 MULTS.

20 METERS126 QSOS378 POINTS59 MULTS.

15 METERS 124 QSOS372 POINTS53 MULTS.

10 METERS172 QSOS516 POINTS ...56 MULTS.

234 , 669 POINTS !!!!!!!

My best ever !!!!!!!

Also turned down the power for a few NEW milliwatt countries !!!!

VP9/W6PH , 20 METERS , 700 MW

OD5/OK1MU , 10 METERS , 700 MW

MU2K , 15 METERS , 700 MW

The most fun I EVER had in a test !!!! Condx on 15 meters were incredible
!!!!!!

Many thanks to all the DX stations who heard my tiny signal !!!

73s

George , N2JNZ / QRP

20 METERS

Date: Mon, 18 Feb 2002 08:13:34 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120245] Some PSK31 fun
Message-ID: <3C70FDfE.C8F50AD1@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi there,

I had the most enjoyable PSK31 QSO yesterday afternoon on 10 meters with a ham in VY1 which lasted 3+ hours. (I'm in SC) He started at 25 Watts and I was at my usual 5 Watts. At some point near the end of the chat we decided to drop the power since we were maintaining 100% copy. We went as far down as our rigs would allow us to go, which was 0.8 Watt for me and about 1 Watt on his rig. We still copied each other 100%. Awesome!

Having fun,
--Alex

Date: Mon, 18 Feb 2002 06:20:51 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [120246] Vertical Antenna facts
Message-ID: <Pine.LNX.4.33.0202180607110.1914-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If your vertical is 1/4 wavelength, as most are that are home made, then you need to put some wire under the vertical. What wire and how to do it depends on where your vertical is mounted.

Talking 40 meters as an example, if the wife will let you put it on the roof and you have flat spots to your roof, then use 4 1/4 wave radials that will not all be flat but mostly flat. If you have a MFJ

Analyzer check the feed point resistance at resonance. It should be down near 35 ohms.

If you must put the vertical on the ground, the 4 1/4 wave wires don't work. On the ground you need to use more wire because your building a capacitor coupling to real ground. On the beach it's easy because real ground is just a few inches down. In a high desert it may be many feet down. Here in the New Mexico desert it takes about 20 about 1/4 wave wires fanned out around the antenna base. You can bury this wire so you don't trip over it.

Or you can forget the vertical and just buy the wire and put up a dipole.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 18 Feb 2002 09:11:42 -0400
From: Dave Marling <dbm@klis.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120247] Re: PSK-31 question --general inquiry about VFO stability
Message-ID: <5.1.0.14.0.20020218090933.00b209e0@mail.klis.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Earl,

I'm running PSK-31 on an old (20+ years) Yaesu 707 without problems. I have not experienced any trouble with the combination but I do keep the AFC switched on in the software.

Dave
VE1VQ

Date: Mon, 18 Feb 2002 08:22:33 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-1@lehigh.edu

Cc: soc@mailman.qth.net
Subject: [120248] Antenna Mojo?
Message-ID: <02021808223301.08372@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I don't know if it was conditions, or what, but it seemed like I could work everybody I heard this past weekend for the DX contest, even 5U9C, 4L8A, etc. Great fun!

My question is this. Have you ever noticed that a particular antenna, at a particular QTH seems to work better than it has any right to? I remember as a kid, we had a 180' Zepp up about 35', 6" open wire feeders. That thing got out better than most beams. I have always put up a 180' Zepp as my first antenna when I moved around, but never had one work like that one.

Back a year or so ago, I stuck a 40M dipole up. Actually, inverted V. Apex at about 35' with one end to a tree at about 25' and the other to the corner of the house at maybe 30'> It was to be a temporary antenna while I got my 300' loop up.

Well, for some reason that darned dipole has a pipeline into Europe. I have worked Europeans with 100mw with no problem. Been accused of really running a KW when I was using 4W. It works well the other direction, too. Had a 1/2 hour ragchew with VK9NS VERY early one morning.

The stupid dipole outperforms my 300' loop on 40M. Makes no sense at all. It should be radiating straight up.

--

John L Sielke W2AGN
w2agn@pobox.com

<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Mon, 18 Feb 2002 08:46:49 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [120249] a little code practice, anyone?
Message-ID: <5.1.0.14.1.20020218084411.00a7ad80@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

A friend just sent me this link. Sadly (or fortunately?) the item isn't for sale, but it's an example of some of the more esoteric items that record companies have made over the years:

http://www.showandtellmusic.com/pages/galleries/gallery_q/morse.html

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 18 Feb 2002 06:06:22 -0800 (PST)
From: =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [120250] Re: Scrub a Dub Dub...Look out for that high voltage plug.
Message-ID: <20020218140622.52625.qmail@web13807.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Michael,

That FT-301 is supposed to be a great rig. I almost bought one once at another fest as a guy had FOUR of them he was selling for \$275/ea. I can't imagine what would be holding that smell you describe. Have you tried this rig yet? If there's a blown selenium rectifier in there, THAT can smell like something died. I don't know if there is any such device in that rig, or not. If you find the source of the odor is as you suspect, where it was stored and with what, then a serious cleaning could help.

Six years ago, in a moment of insanity, I picked up an old Side Band Engineers (SBE-2-LA) 1kw pep linear at a hamfest in Longmont, CO. It was being sold by a friend of the SK who owned it. Given the layer of nicotine-tar varnish it had on it, suspect I know how he became a SK.

Anyway, being a non-smoker, I couldn't stand the smell. Even the XYL complained that it was stinking up the house. What I discovered was that most of the odor was contained in the film/dust on the cover. The cover is mostly 1/8" holes (grill), so there was plenty of places for this thing to hold the smell. I removed the cover (two sections, top/bottom) and discovered there was nothing that could be hurt if immersed in water, so I emptied out the dishwasher, and added a VERY LITTLE amount of dishwasher solution to the cup, being concerned that it might lift the wrinkle paint off. WOW, did that work well! The covers looked brand new and smelled lemon-fresh to boot! While those were washing, I vac'd out the dust from the chassis, then tipped it up on its side so I could hoze it off with non-residue contact cleaner (do this outside of your home!!!), then I pulled out all the tubes (one-at-a-time to keep the matched-pairs in order) and washed them in scalding soapy water by hand with rubber gloves. When I put it all back together it looked great, smelled 95% better (some odor remained in the power transformer), and the remaining 5% faded has over the years. Hopefully this is all your rig will need.

GL es 72/73!

Dale

=====

"There is a very fine line between "hobby" and "mental illness." --Dave Barry

=====

Dale Anderson, KB0VCC	In the Mt Washington Valley
QRP-L #91 / CQC #251	Conway, New Hampshire
ARS #234 / FISTS #3172	Grid Sq: FN43kx
QRP-NE #600	http://www.qsl.net/kb0vcc

Do You Yahoo!?

Yahoo! Sports - Coverage of the 2002 Olympic Games

<http://sports.yahoo.com>

Date: Mon, 18 Feb 2002 09:12:46 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [120251] Re: TDA1072 ICs -- Info pages URLs
Message-ID: <20020218.091252.288.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Many (ok, a couple) of you have asked me about the TDA1072 data sheets & URLs for reference.

<http://www-us2.semiconductors.philips.com/pip/TDA1072A/V4> is the Phillips site for the chip with a link to . . .

http://www-us2.semiconductors.philips.com/acrobat/datasheets/TDA1072A_CNV_2.pdf, which is the Phillips PDF datasheet for the TDA1072. The site says the chip is in "full production," whatever that means.

Interesting things about this 'n:

power range: 7.5-18VDC, 15-30mA

AGC range (change of V_i for 1 db change of V_o [af]): 86 db

(AGC figures are spread throughout the data sheet with multiple variables with figures between 30 & 86 db common)

AGC range of input stage: 30 db

total power dissipation: 875mW

oscillator range: 60 MHz

Interesting innards of the chip include:

- Gain controlled RF input stage
- Double balanced mixer
- Oscillator section has sample output for display & can be bandswitched
- S-meter/signal indicator
- Balanced full-wave detector (AM) with a bypass pin that may admit a BFO signal for SSB/CW
- Standby/(mute?) switch

An IF filter scheme in the data sheet shows those little 455 kHz Murata resonators hosed up with what appears to be Toko coils or similar. I'd like to use a higher IF, say 16 MHz for 40m. That may be possible (the data sheet is short on IF frequency limit info) to allow for single-signal detection in CW or SSB. And since the chip is an AM rx only, I don't have a lot of extra junk layin' about unused (as would be

the case in the TEA5710 [available from RS.com]).

The promise this chip holds as a single chip (not counting AF amp) SW/GCR/ham receiver is intriguing. If I can get it to work, it'd be a wholesale replacement chip for a couple old 455 kHz IF tubers I've got (and no, I ain't about to go so far as to de-tube 'em & replace everything with two chimps). Worse case scenario: I'll have another very tiny rx in a box.

Funny thinking is that to build a matching transmitter, I'd have to use at least two NE602s, a handful more components and the tx output string. One side of a double-sided board would hold the rx, the other side & then some holds the tx. A perfect job for the "Island Cutters" that I got a couple weeks back.

There are other AM chips that I've looked at, one being the TDA1572, which looks like the same chip under a different name. If you can find a source cheaper 'n TechSonicUSA.com (\$11.47 ea for less than 9 units), let me know.

There's also the TEA5551T (available from SHF Microwave: <http://www.shfmicro.com/> about \$4 each), which is much simpler & may not be useful as a CW/SSB rx since there's really no way of stuffin' a BFO signal into the detector (although you could stuff the BFO into the IF amp section . . . probably with disastrous results, knowing how that stuff works for me).

And then there's the TEA6200, called an "Integrated AM upconversion receiver," although the oscillator tops out at 17.5 MHz, according to the data sheet. Probably no way of BFOing that one either, although it looks like an interesting circuit for AM.

And for the completely insane, there's the TEA5762 "Self Tuned Radio (STR)" which is an AM/FM rx with all kinds of digital innards for signal control, tuning & AF processing. That one has a complete AM rx in it. To get FM you have to use an external FM front end. The '5762 is one of those square 44 pin thingies.

So that's what the deal is on the chimps. All of the data sheets for these chips are on the Phillips site. You can download the PDFs & there's a pointer to a sales page. You gotta go to a local distributor; Phillips don't sell to simple minded short haulers like me & you, presuming you ain't manufacturing stuff for a profit.

So far I've got three people interested in the '1072 chip. Which increases the purchase limit up a bit (I'm gonna buy enough of 'em to blow up the first three, like I have the QRO HF amp so far . . .)

73

Nils

. . . havin' more fun blowin' up the solid-state amp again . . . this is getting "cost prohibitive" . . . Maybe I should go back to tubes?

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>

"The island is closer than your memories are." -- Ian G. Bull Young, 11 Feb 2002

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 18 Feb 2002 08:29:16 -0600

From: kcieslak <kcieslak@execpc.com>

To: qrp-l@lehigh.edu

Subject: [120252] SWL callsigns

Message-ID: <3C710FBC.D55387C@execpc.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Is there currently a group recognized as an official SWL callsign coordinator?

I have a couple of scouts who are interested in SWLing and they asked about the old WPX and WPE callsigns.

This would be a nice service for the ARRL to provide to encourage growth in ham radio..

Brian K9WIS

Date: Mon, 18 Feb 2002 15:56:22 +0100

From: "Ingo, DK3RED" <dk3red@t-online.de>

To: QRP-L <qrp-l@lehigh.edu>

Subject: [120253] Re: SWL callsigns

Message-ID: <3C711616.729155D6@t-online.de>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hello Brian,

In my club (DARC) there are a coordinator for it. All QSL/SWL cards from club members must go via the QSL bureau. Only the bureau will know the right SWL for a callsign. I think there is also a "group" inside the ARRL for SWL callsign coordination. Please ask the ARRL for more informations.

--

72/73 de Ingo, DK3RED Don't forget: the fun is the power!
dk3red@t-online.de <http://www.qsl.net/dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Mon, 18 Feb 2002 09:55:30 -0500
From: W2AGN <w2agn@pobox.com>
To: kcieslak <kcieslak@execpc.com>,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [120254] Re: SWL callsigns
Message-ID: <02021809553004.08372@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Monday 18 February 2002 09:29, kcieslak wrote:

> Is there currently a group recognized as an official SWL callsign
> coordinator?
> I have a couple of scouts who are interested in SWLing and they asked
> about the
> old WPX and WPE callsigns.
>
> This would be a nice service for the ARRL to provide to encourage growth
> in ham radio..
>
> Brian K9WIS

--

Funny you should bring that up. W8DBF, Duane Fisher (w8dbf@usol.com) recently posted to a couple of boatanchors lists about restarting the WPE program. You might want to contact him.

John L Sielke W2AGN
w2agn@pobox.com

<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Mon, 18 Feb 2002 10:00:39 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: tfeeny@comcast.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [120255] Re: vertical antenna question
Message-ID: <3C711717.66BEF1DD@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom,

>

> Someone posted that some Gap antennas are not very good.

>

There are thousands of opinions about vertical antennas. Most are personal and often flawed. The vertical antenna can be as great as you want or as bad as you allow! If verticals are so bad, why then, do nearly all the commercial broadcast stations use them! in the case of a quarter wave vertical. Verticals offer a lot of performance with a small footprint, and without great expense!

In the case of a quarter wave vertical, it is only half an antenna! The rest of it must be made up with a very good RF ground. Install any quarter wave vertical without a good ground and you will find a very good dummy load!

I have used quarter wave trapped verticals both mounted on the ground and on my roof. The first one I used was mounted on the ground. I lived in the Netherlands at the time, and thought that since so much of the country is below sea level, I would not need a ground. I quickly won the WAT award in my neighborhood (Worked All TV's)! It stunk! I added four ground radials and worked DXCC in a year or so! I later put up another vertical on my chimney. I knew better this time and ran radials. I worked another 70 countries!

Half wave verticals are a different story. They should not be affected as much by the quality of the ground, but read the manufacturer's directions! He should know best!

Date: Mon, 18 Feb 2002 07:07:10 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [120256] Re; Free to a good home...
Message-ID: <000001c1b88d\$f04ad4a0\$2802a8c0@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Many responses, the keyer has been given away.

Thanks and 73

Roger KD6CC

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.324 / Virus Database: 181 - Release Date: 2/14/2002

Date: Mon, 18 Feb 2002 10:12:24 -0800
From: Paul Stroud <aa4xx@ipass.net>
To: qrp-1@lehigh.edu, klqrp@knightlites.org
Subject: [120257] ON5EX/AA4XX 30M Weekend Beacon summary
Message-ID: <3C714408.6E016B41@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

All we can say is "Whew!" Thanks to all the folks who dug in their heels this past weekend to perform some amazing listening feats. Various beacon sessions were held throughout the weekend, with power levels ranging from 500mW down to 2.5mW.

For the Saturday evening ON5EX/AA4XX session, ON5EX was transmitting on 10,140.050 khz, and AA4XX was transmitting on 10,140.000 khz. Apparently, conditions were decidedly one-sided this past Saturday, allowing West to East reception across the Atlantic, but not East to West.

The ON5EX beacon tx consists of an IC706 (TCX0) into a Carolina Windom

6.8m high. Johan uses ON7YD's QRSS keying software.

The AA4XX beacon tx consists of an S&S Engineering DDSVFO II, which resides in a heat chamber, driving the tx strip in a Wilderness Sierra. Keying is done with ON7YD's QRSS software program. The antenna is a 30M dipole fed with ladderline, up 60 feet.

Unless otherwise noted, all sessions were on 10,140.000 khz QRSS10 mode

AA4XX Log:

Friday, Feb 15, 2002 500mW Codeword "Bird"

Call	Name	QTH
AK0B	Stan	MO
KJ5TF	Jim	AR

Saturday 25mW Codeword "Bird"

AE5K	Don	AR
W8DIZ	Diz	OH

Saturday (15WPM CW mode) 5mW

W8DIZ	Diz	OH
-------	-----	----

Saturday 100mW Codeword "Gold"

N3AAZ	John	MD
AE5K	Don	AR
AK0B	Stan	MO
ON5EX	Johan	Belgium

Saturday 200mW Codeword "Horse"

ON6UL	Luk	Belgium
N3AAZ	John	MD
AE5K	Don	AR
W0CH	Dave	MO
K7TQ	Randy	ID
ON6QQ	Noel	Belgium
KD1YV	Jim	CT
N3G0	Gary	NC

Sunday 50mW Codeword "Blauw"

N4SO Ken AL
ON5EX Johan Belgium

Sunday 25mW (no codeword)

N3GO Gary NC
ON5EX Johan Belgium

Sunday 5mW Codeword "Appel"

ON5EX Johan Belgium

Sunday 2.5mW Codeword "Paris"

ON5EX Johan Belgium
ON6UL Luk Belgium

A beacon email list is currently active to notify interested listeners of forthcoming weak signal QRSS beacon sessions. Please let us know if you would like to receive periodic notifications.

For additional information on "Why QRSS," please refer to the following excellent tutorial: <http://www.ussc.com/~turner/qrss1.html>
This URL has links to the two most popular QRSS decoding programs ARGO and SPECTRAN, as well as ON7YD's QRSS keying software, and it's all freeware.

72, Johan ON5EX and Paul AA4XX

Date: Mon, 18 Feb 2002 08:23:19 -0700
From: Roger J Wendell <zeekzilch@juno.com>
To: cqclist@yahoogroups.com, qrp-1@Lehigh.EDU
Subject: [120258] OHR Gift and Banquet Details
Message-ID: <20020218.082654.-537513.2.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Something I forgot to mention were the wonderful prizes various vendors provided CQC for it's annual banquet on Saturday evening. Brad and I will be putting a detailed list together for the web page this week.

However, as an individual, I was especially moved by the gift Oak Hills Research presented Arnie Coro during his speech at our banquet. N1FN, OHR's "prime mover," presented C02KK with an OHR 500 transceiver - there's no doubt this quality gear will be put to good use in Cuba!

Finally, although I'll be posting a bunch of pix at <http://www.cqc.org/banquet.htm>, the real details will always show up first in the club's bimonthly newsletter, the Low Down...

Roger
WBOJNR
<http://www.RogerWendell.com>

-

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Date: Mon, 18 Feb 2002 10:26:29 -0800
From: Paul Stroud <aa4xx@ipass.net>
To: qrp-1@lehigh.edu
Subject: [120259] AA4XX 1mW 30M beacon Mon-Thurs this week
Message-ID: <3C714755.58A63D1B@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Fellers,

In an effort to "test the waters," the AA4XX beacon will be active Monday through Thursday nights this week. The mojo level will be 1 milliwatt this go round.

Specifics follow:

10,140.000 khz
QRSS10 mode
22:00-0300 UTC Monday
22:30-0300 UTC Tues-Thurs

A different five letter codeword will be used each evening.

I will be happy to accommodate any skeds running your suggested power levels after Thursday.

ON5EX and ON6UL have thrown down the gauntlet by copying the 2.5mW codeword "Paris" during the wee hours last night. Congratulations to Johan and Luk. Let's see who can copy at 1 mw!

GL Gentlemen, Paul AA4XX Raleigh, NC

Date: Mon, 18 Feb 2002 10:26:12 -0500
From: "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120260] Re: vertical antenna question
Message-ID: <004101c1b890\$9a8b33e0\$be07153f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

'If verticals are so bad, why then, do
nearly all the commercial broadcast stations use them! '

They are more interested in transmitting than receiving?

Bruce
ag4ny

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, February 18, 2002 10:00 AM
Subject: Re: vertical antenna question

> Tom,
> >

> > Someone posted that some Gap antennas are not very good.
> >
> There are thousands of opinions about vertical antennas. Most are
> personal and often flawed. The vertical antenna can be as great as you
> want or as bad as you allow! If verticals are so bad, why then, do
> nearly all the commercial broadcast stations use them! in the case of a
> quarter wave vertical. Verticals offer a lot of performance with a
> small footprint, and without great expense!
>
> In the case of a quarter wave vertical, it is only half an antenna! The
> rest of it must be made up with a very good RF ground. Install any
> quarter wave vertical without a good ground and you will find a very
> good dummy load!
>
> I have used quarter wave trapped verticals both mounted on the ground
> and on my roof. The first one I used was mounted on the ground. I
> lived in the Netherlands at the time, and thought that since so much of
> the country is below sea level, I would not need a ground. I quickly
> won the WAT award in my neighborhood (Worked All TV's)! It stunk! I
> added four ground radials and worked DXCC in a year or so! I later put
> up another vertical on my chimney. I knew better this time and ran
> radials. I worked another 70 countries!
>
> Half wave verticals are a different story. They should not be affected
> as much by the quality of the ground, but read the manufacturer's
> directions! He should know best!
>
> 73
>

Date: Mon, 18 Feb 2002 10:38:49 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120261] Re: vertical antenna question
Message-ID: <3C712009.D27FACC3@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bruce Muscolino wrote:

> but read the manufacturer's
> directions! He should know best!

Sometimes you wonder....especially with Gap and their claims regarding

their Super R, oops, sorry, I meant their Super C.

73s,
--Alex

Date: Mon, 18 Feb 2002 08:42:15 -0700
From: "bob baxter" <rbaxter@cybertrails.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120262] Re:
Message-ID: <003301c1b892\$d96b2be0\$1d142aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Someone posted that some Gap antennas are not very good.
> Does this apply to all verticals or just these models?
> What about the Cushcraft R8 or R6000?
> Tom, W8K0X

Contrary to a few negative posts about Gap antennas, a lot of us are getting very good service from them. My Titan has been up for five years and not a part has dropped off. I also have a tuned feeder inverted vee at 30 feet which does hear a tad better on 40m but on all other bands there is no difference in performance or noise level. As usual YMMV.

Bob Baxter AA7EQ
Bisbee, Az.

Date: Mon, 18 Feb 2002 07:45:13 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: kcieslak@execpc.com, qrp-1@Lehigh.EDU
Cc: w8dbf@usol.com
Subject: [120263] Re: SWL callsigns
Message-ID: <F96FRFWMozgYLowspDK00000658@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Duane, W8DBF, is currently in the process of reviving the old WPE/WDX program. I'll forward this note to him...

73 John K7FD/WPE7COH
www.hamhobby.com

>From: kcieslak <kcieslak@execpc.com>
>Reply-To: kcieslak@execpc.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: SWL callsigns
>Date: Mon, 18 Feb 2002 08:29:16 -0600
>
>Is there currently a group recognized as an official SWL callsign
>coordinator?
>I have a couple of scouts who are interested in SWLing and they asked
>about the
>old WPX and WPE callsigns.
>
>This would be a nice service for the ARRL to provide to encourage growth
>in ham radio..
>
>Brian K9WIS

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<http://photos.msn.com/support/worldwide.aspx>

Date: Mon, 18 Feb 2002 10:35:36 -0500
From: "AI2Q Alex" <ai2q@adelphia.net>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Cc: <sunbyrd@gte.net>
Subject: [120264] RE: Scrub a Dub Dub...Look out for that high voltage plug.
Message-ID: <000201c1b891\$ea369960\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Michael:

Not too long ago I came across a very, very yukky Collins R-390 (non-A version) that had survived a house fire and then was stored in a shed for 25 years. The set was unrecognizable when I took possession of it (maybe it possessed me).

In any case, when I removed the top cover plate, there was a rather large mouse skeleton staring at me, and lots of mouse droppings, to say nothing of the mass of straw and twigs, etc. that filled the innards.

The insides and outsides of the receiver were covered with black grime, even inside the Veeder-Root counter.

I started my clean-up by washing down the set with a garden hose. I then removed all the modules (the set is highly modular), sorting everything into separate boxes.

Then I cleaned the main chassis with Simple Green, and cleaned the geartrain with vast quantities of WD-40, followed by repeated washes in light oil.

Next, each chassis was washed and scrubbed with a toothbrush using Simple Green followed by copious quantities of water, and a final rinse in distilled water gleaned from my basement dehumidifier. That was followed with a thorough drying using a hairdryer.

The cleanup included removing the RF and IF coils, opening those cans, and cleaning the grime and spider nests from the insides of the cans, also using Simple Green and a toothbrush and swabs.

All of the tubes and dial lamps were also washed in Simple Green. I then used Stabilant-22 on all connectors and tube sockets, as well as the sub-miniature banana plugs and jacks that are used in the R-390 to hold the myriad RF coils in place.

After preliminary tests and mechanical synchronization, I fired it up and aligned it (a 4-hr. process).

The set now plays like a dream, and meets original specs! It was built in 1951.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Michael B. Byrd
Sent: Sunday, February 17, 2002 6:02 PM
To: Low Power Amateur Radio Discussion
Subject: Scrub a Dub Dub...Look out for that high voltage plug.

Good Day All,

I could use some help with a project I am in the middle of. It is QRP related, because it is about a QRP radio. I bought a FT-301 from e-Bay this past summer and haven't had time to work on it yet. I was "taken" on the value as it came to me in rough shape. It does work, mostly, but has a terrible odor. It must have been stored in an basement with the trash and has a pungent rotting meat thing going on.

In QST I read an article about restoring a R390. The author used Simple Green to clean the entire radio with and got the smell out with. Does anyone on this list have experience doing a scrub down like this? Perhaps, a link to information? I have some idea on precautions, but I am ready to be brutal and I don't want to go too far.

You may ask , why go to all this trouble? Why not just look for another FT-301 in better shape? I have looked at several and this one is the one I ended up with. A radio over 20 years old picks up a lot of odor and creates a few also. It will be a good solid QRP rig.

When I posted awhile back on this radio, many people responded and I know I didn't answer all the e-mail. Bruce let me know that Yaesu still repairs this radio. I will send it to them for a tuneup and for repair of some items as soon as it is clean enough.

Thanks to all,
Michael WD4MFB (still waiting for that vanity call)

Date: Mon, 18 Feb 2002 10:57:05 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [120265] RE: [fpqrp] SCORE!
Message-ID: <MMEDLKDLONJOAIGICDJACEKJCIAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great catch Tom, I for OH0R also.
The bands were perfect all weekend long. I managed to up my total by around

30 countries, only had time to do it off and on.

72, oo
Dan, N8IE

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of k8cz@att.net
Sent: Sunday, February 17, 2002 8:47 AM
To: Low Power Amateur Radio Discussion
Subject: Re: [fpqrp] SCORE!

WTG, Dan. I nailed OH0R on Aland Island this AM and V73UG on Kwajalein (sp?) yesterday. That prompted a happy dance that shook the whole neighborhood. Picked up a couple dozen new CW countries this we with the FT 817 and a ground mounted vertical. Only missed a couple of stations in Russia that weren't hearing me.

--

73,72, 00

FP #41 NJQRP #338 Fists #2360
ARCI #9606 SOC #336 Norcal ARRL
Hamilton, Ohio EM79ri
Tom, K8CZ

> Just busted a nice pile up for J41YM in Greece on 14.053.
> 5 watts with the low hung G5RV.

>

> 72, oo

> Dan, N8IE

> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -

Date: Mon, 18 Feb 2002 11:10:45 EST
From: Macstein@aol.com
To: <soc@mailman.qth.net>, <qrp-1@lehigh.edu>
Subject: [120266] Re: [SOC] Antenna Mojo?
Message-ID: <159.924646f.29a28185@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi John,

I HAVE noticed this (a given antenna which seems to work better than it "should"). The attic dipole at my former QTH certainly served me better than it was 'posed

to. Many people simply refused to believe I was on an indoor wire antenna with QRP. HOWEVER... it spoiled me horribly.

-MAC-
AF4PS

Date: Mon, 18 Feb 2002 08:20:57 -0800 (PST)
From: Alan <aadelma@yahoo.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [120267] re: Operating in Germany
Message-ID: <20020218162057.32312.qmail@web14006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Many thanks for all the replies to my query. It really is as simple to operate there as it appeared. Listen for my 2w on 20m this summer!

Alan wb2erj

Do You Yahoo!?
Yahoo! Sports - Coverage of the 2002 Olympic Games
<http://sports.yahoo.com>

Date: Mon, 18 Feb 2002 08:27:07 -0800
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-l@lehigh.edu>
Cc: <nilsbull@juno.com>
Subject: [120268] Re: TDA1072 ICs -- Info pages URLs
Message-ID: <03b801c1b899\$1c179860\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ahh, watch those pin spacings, Nils. I have some 5710 and 5712 DIP parts, think TEA was the prefix, and they are 70mil spaced pins, not 100 or 50. Not a big deal if you are going to do a PCB for them but it stopped me because they did not fit on any of my little "development" boards. So they went on the shelf till I have time later on to deal with it. Yeah, right. Like that day will come soon ;-)

Gary WA6DTX

----- Original Message -----

From: "Nils R Young" <nilsbull@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, February 18, 2002 6:12 AM
Subject: Re: TDA1072 ICs -- Info pages URLs

> Gang,
>
> Many (ok, a couple) of you have asked me about the TDA1072 data sheets &
> URLs for reference.
>
> <http://www-us2.semiconductors.philips.com/pip/TDA1072A/V4> is the Phillips
> site for the chip with a link to . . .
>
> [http://www-us2.semiconductors.philips.com/acrobat/datasheets/TDA1072A_CNV](http://www-us2.semiconductors.philips.com/acrobat/datasheets/TDA1072A_CNV_2.pdf)
> _2.pdf, which is the Phillips PDF datasheet for the TDA1072. The site
> says the chip is in "full production," whatever that means.
[snipped]

Date: Mon, 18 Feb 2002 11:31:41 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Message-ID: <013f01c1b899\$c1740dc0\$752a1bce@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

'If verticals are so bad, why then, do
nearly all the commercial broadcast stations use them! '

Omni-directionality.....whew..another one of those 50 cent words.....

Date: Mon, 18 Feb 2002 08:40:50 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [120270] Copper Foil Antenna Failure
Message-ID: <NFBBKLDHALEHCJMAJPKFCEHDCLAA.tracy@bytemark.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

This weekend I had the presence of mind to measure the DC resistance of the copper foil - 2.2 ohms on 8 feet. Yuck. Bad foil! The same length of #14 stranded copper wire ('antenna wire' from HRO out here in socal) was only a point more than the leads on my meter.

Oh boy ... could have saved a lot of trouble!!

There still must be something in the walls, tho - if I tape the wire to the wall it still doesn't hear much.

BUT - finally, a success!! I bolted a 1:1 balun to the ceiling, and cut a 10m dipole from the #14 wire and hung it diagonally from the ceiling to the corners of the room, letting it droop about a foot from the ceiling. HEY!! 1.2:1 and I can hear people!! Didn't work anyone, but heard JA's talking to a fell in Puerto Rico, and heard both sides of the qso.

Yup ... I was thrilled!! My battery was on charge overnight so I'll be ready to work when I get home from work today!!

Thanks again for all the help you guys gave me, the copper foil will stay on the wall as a testament to my failure. Lol.

Tracy, N4LGH
Finally back on the air ...

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Alan

Sent: Monday, February 18, 2002 11:21 AM

To: Low Power Amateur Radio Discussion

Subject: re: Operating in Germany

Many thanks for all the replies to my query. It really is as simple to operate there as it appeared. Listen for my 2w on 20m this summer!

Alan wb2erj

Do You Yahoo!?

Yahoo! Sports - Coverage of the 2002 Olympic Games
<http://sports.yahoo.com>

Date: Mon, 18 Feb 2002 08:49:07 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [120271] Re: omni-directionality
Message-ID: <F1694Z5f1HgSgN8J9kV000171ed@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Generally, broadcasters and amateurs have different goals in mind. Your local AM station wants to cover as much ground in a market as possible. And they just transmit, no receive. A vertical makes sense. But just because a commercial station uses a vertical is not necessarily a good reason for an amateur station to use one...

...they have their place, but most amateurs will find better all around performance from a dipole or rotatable yagi/quad. The ability to place your signal where it will do the most good and attenuate those signals you don't wish to hear, that is the key.

73 John K7FD

>From: "Tom Pennebaker" <n4rs@netpath-rc.net>
>
>'If verticals are so bad, why then, do
>nearly all the commercial broadcast stations use them! '
>
>Omni-directionality.....whew..another one of those 50 cent words.....

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Mon, 18 Feb 2002 11:50:48 -0800
From: "W2WU" <w2wurjj@verizon.net>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120272] Re: vertical antenna question
Message-ID: <001201c1b8b5\$92964ec0\$71c2fea9@w2wurjj>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Your argument is flawed & negated. All broadcast station antennas must meet rigid FCC engineering / performance criterion set forth in Rules & Regulations. Ground systems are extensive, and reduce losses to a minimum. See: Dr. Brown's original treatises & most reputable Antenna texts render a reasonable treatment of applicable theory.

Remember a broadcast station has different radiation / propagation concerns than an amateur station. They are limited to certain antenna patterns. A vertical antenna is not optimum for all communications.

A 1/4 wave vertical does not have a small footprint if you consider a proper radial system & guy wires. Without a ground system, it may have a flat VSWR, but is very lossy. <W2WU > B.E.

----- Original Message -----

From: Bruce Muscolino <w6toy@erols.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: 18 February, 2002 07:00

Subject: Re: vertical antenna question

> Tom,

> >

> > Someone posted that some Gap antennas are not very good.

> >

> There are thousands of opinions about vertical antennas. Most are
> personal and often flawed. The vertical antenna can be as great as you
> want or as bad as you allow! If verticals are so bad, why then, do
> nearly all the commercial broadcast stations use them! in the case of a
> quarter wave vertical. Verticals offer a lot of performance with a
> small footprint, and without great expense!

>

> In the case of a quarter wave vertical, it is only half an antenna! The
> rest of it must be made up with a very good RF ground. Install any
> quarter wave vertical without a good ground and you will find a very
> good dummy load!

>

> I have used quarter wave trapped verticals both mounted on the ground
> and on my roof. The first one I used was mounted on the ground. I
> lived in the Netherlands at the time, and thought that since so much of
> the country is below sea level, I would not need a ground. I quickly
> won the WAT award in my neighborhood (Worked All TV's)! It stunk! I
> added four ground radials and worked DXCC in a year or so! I later put
> up another vertical on my chimney. I knew better this time and ran
> radials. I worked another 70 countries!

>

> Half wave verticals are a different story. They should not be affected
> as much by the quality of the ground, but read the manufacturer's
> directions! He should know best!
>
> 73

Date: Mon, 18 Feb 2002 11:50:16 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: n4rs@netpath-rc.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [120273] Re:
Message-ID: <3C7130C8.47DF2F56@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>>
> Omni-directionality.....whew..another one of those 50 cent words.....
<
Sure, and footprint, and the fact that they have engineers to optimize
their antennas! Ever considered what the dimensions of a 600 kHz beam
would be, or even a 600 kHz dipole! Commercial radio stations have been
around for about 100 years! They use what works best for them, and
their ground planes are very good!

73

Date: Mon, 18 Feb 2002 11:55:12 -0500
From: KKANALZ@prodigy.net
To: <n4rs@netpath-rc.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120274] Re: Broadcast Band Verticals
Message-ID: <AA-80D9F65B765A59AB749E1CB5A697B2FF-ZZ@maillink1.prodigy.net>

On 2/18, Tom (in a fit of perspicacity)wrote:

From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: "Low Power Amateur Radio Discussion"

>Omni-directionality.....whew..another one of those 50
cent words..<snip>

Actually, Tom, I suspect that commercial "broadcast band" broadcasters use verticals (rather than "horizontal") for antennas is because of:

- a) Cost Considerations (real estate required, mainly) and
- b) Filed-for-FCC-Coverage area (you know, field strength in microvolts-per-meter and that sort of thing)

By the way, Tom, not ALL commercial broadcasters in the MF band use "omnidirectionality", especially *after* sundown.

Can you (or anyone) imagine the length of a *DIPOLE* at 820 kHz? And.... at high power, how would that air-dielectric feedline be supported at say... a quarter-wave above ground? A half-wave would be even worse!

Karl K - W8TIF
McKinney, Texas

Date: Mon, 18 Feb 2002 09:59:52 +0000
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Cc: <k5di@zianet.com>
Subject: [120275] Radials for Verticals
Message-ID: <B8968117.11B48%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Karl - You made some good points on radials for verticals. Let me add my \$0.02 worth.

Verticals are no different than most antennas, and height helps. You will notice a world of difference in moving the vertical antenna from ground level to roof top level. Even up a single story will help.

Feedline radiation can be a problem with elevated verticals using quarter wavelength radials, particularly if the feedline is an odd quarter of a wavelength long. To eliminate feedline radiation, it is good practice to use a "choke balun" at the feedpoint. Simple airwound baluns such as described in the Handbook or Antenna Book will suffice.

Be sure to provide a good DC ground for the vertical, particularly if you mount it on the roof.

If the radials in an elevated vertical system are slightly different lengths, they can radiate. One solution is to make them electrically a quarter length, but physically shorter. Folding the radial back on itself is also effective. A simple way to make these types of radials is to make a dipole with the ends folded back on themselves. Check for resonance on the frequency you are interested in, then use the 2 halves as radials. Do this twice and you will have 4 radials that don't radiate.

By the way, the radials in an elevated vertical system do not need to be straight. They can be bent to allow for the space on the roof.

There is no need to make radials on the ground resonant. I have been interested in radials for many years. The question of how many and how long to make radials on the ground has plagued hams for years. There are some answers in the Handbook, and also in some QST articles. In July QST of 2000, there was an excellent article which reprised the classic work of Brown at RCA. It is worthwhile reading for anybody contemplating installing a ground mounted vertical.

A few years back, Dave Gauding wrote me a note saying that he noticed an increase in forward power when using 8 1/8 wavelength radials over 6 quarter wavelength verticals. Here are excerpts from the reply I sent Dave, edited a bit:

Now to your radial issue. You reported more forward power with 8 1/8 wavelength radials than with 6 quarter wavelength radials. I suspect that your final may be operating more efficiently with the new load presented by the shorter radials. But, if you measure the field strength I think that you might also see an increase.

You may even want to go to more radials shorter than an eighth wave. For a long time I have been interested in what the optimum radial system is for the typical Ham's vertical setup. Your question has finally prompted me to make some calculations. I will share these with you.

The purpose of the radials is to supply a return current to the feedline. In non technical language it gives the vertical something to "push" against. The radials collect the current from the ground. The currents in the ground are induced by the antenna. The more current that is collected the more current that can flow in the antenna so the higher the efficiency. Not technically rigorous, but you get the picture.

Now in most soils there is sufficient resistance for the induced currents to die away within about 0.01 to 0.02 wavelengths, depending on the soil

conductivity from where they are induced. Therefore, in order to gather the most induced ground currents the ends of radials should be spaced no further apart than this. Longer radials waste the space in between. The total current collected by the radials is higher if more, but shorter radials are used. I first became aware of the spacing between the ends of radials from the postings of Tom, W8JI, on the top band list. Depending on the soil conductivity, end separations as high as 0.05 wavelength can be used.

The effectiveness of shorter radials is reported in the Antenna Book and in deVoldere's book on Low Band DXing. The Antenna Book has tables of "optimum ground system configurations". They recommend 16 radials of 0.1 wavelength (down 3dB from the reference 120-0.4 wavelength radials), 24 at 0.125 wavelengths (down 2 dB), 36 at 0.15 (down 1.5 dB), 60 at 0.2 wavelengths (down 1 dB), and 90 at 0.25 wavelengths (down 0.5 dB). Now these are based in some part on calculations, and ground calculations are a bit difficult to do well, but you get the picture. If you are only using a few radials they don't need to be long.

I did my own calculations based on the 0.02 wavelength separation between the ends. I took a slightly different tack than I have seen in the literature. I tried to answer the question: "if I have a given length of wire what is the best number and length of radials to cut the wire into?"

For 20 M (66 ft wavelength) I get the following results:

wire length	number	Length	Comments
66 ft	17	3.9 ft	Same total wire
100 ft	21	4.8 ft	
200 ft	30	6.7 ft	0.1 wavelength radials
343 ft	40	8.5 ft	1/8 wave radials
500 ft	48	10.4 ft	
700 ft	57	12.2 ft	If all the ribbon wire were single radial
830 ft	62	13.2 ft	0.2 wavelength case
1000 ft	68	14.7 ft	
1296 ft	78	16.5 ft	quarter wave length radials
2000 ft	97	20.6 ft	
3318 ft	125	26.4 ft	"reference" 0.4 wavelength radials
4000 ft	127	29.0 ft	

These lengths can be scaled for other bands.

I am not totally satisfied that these numbers are correct. They appear to produce more and shorter radials than the Handbook numbers, particularly for the shorter (and fewer) radial cases. The error is worse at the shorter radial length; I get 30-0.1 wavelength radials, while the optimum (Antenna Book) says 16. I get better agreement for the longer radials; my 0.4 wavelength number is 125 vs the Handbook value of 120, and for 0.25

wavelength I get 78 vs the handbook value of 90, while for 0.2 wavelength radials I get 62 vs the handbook value of 60. On the other hand, I am not sure how significant the difference is or what it really means.

An addendum to my note to Dave. For shortened verticals, most of the ground loss occurs very close to the antenna. Therefore it is important to have more radials closer to the antenna. AS an example, for a vertical 0.1 wavelengths high, 90 % of the ground losses occur within 0.1 wavelength of the vertical. By contrast, for a 0.25 wavelength vertical, only about 66% of the ground loss occurs within 0.1 wavelength, and the 90% number is about 0.5 wavelengths. For real world comparisons, a HamStick on 20 M is about 0.1 wavelengths high. The typical "quarterwave" multiband vertical like the Hy-Gain 14AVQ is about 18 ft or 0.15 wavelengths.

If you are making a permanent installation, put down as many radials as you can with the above chart as a rough guide. They don't need to be the same length. Lawn edgers are a big help in putting down radials. Wire can be insulated or uninsulated. If you can buy copper surplus, that is probably the cheapest source of radials. If you can't, then Home Depot or Lowes have 500 ft spools of 14 gauge THHN wire for \$15 to \$20. AS you can see from the chart above, that will make a nice radial system.

For a multiband vertical, it is probably best to design for the band you do the most operating on, or the lowest band you will use.

I hope that this helps someone. I am sure it will generate more posts. For some reason, radials and the need for a good radial system always generate lots of posts on the list. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Mon, 18 Feb 2002 09:15:52 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [120276] RE: Radials for Verticals
Message-ID: <NFBBKLDHALEHCJMAJPKFOEHECLAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

<snip>

Feedline radiation can be a problem with elevated verticals using quarter

wavelength radials, particularly if the feedline is an odd quarter of a wavelength long. To eliminate feedline radiation, it is good practice to use a "choke balun" at the feedpoint. Simple airwound baluns such as described in the Handbook or Antenna Book will suffice.

<snip>

wouldn't that be an UNUN ? <smile!>

Tracy N4LGH

Date: Mon, 18 Feb 2002 12:13:31 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [120277] 7J1AAI ???????? ...where ??????????
Message-ID: <002201c1b89f\$971919c0\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello !!!

Worked 7J1AAI in the contest and my QRPDUPE software came up with a JD1 location?????????
Was he on the islands or on mainland Japan ????????

73s

George , N2JNZ / QRP

Date: Mon, 18 Feb 2002 12:28:44 -0500
From: "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
To: <ai2q@adelphia.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120278] Re: Scrub a Dub Dub...Look out for that high voltage plug.
Message-ID: <000901c1b8a1\$b8be28c0\$1207153f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One of the local hams who likes to restore old rigs douses the radio with a cleaner like Simple Green and then puts it in the shower. Then takes it out

for a few days of drying and the rig is ready for further work.

Bruce

ag4ny

----- Original Message -----

From: AI2Q Alex <ai2q@adelphia.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, February 18, 2002 10:35 AM

Subject: RE: Scrub a Dub Dub...Look out for that high voltage plug.

> Hi Michael:

>

> Not too long ago I came across a very, very yukky Collins R-390 (non-A
> version) that had survived a house fire and then was stored in a shed for
25

> years. The set was unrecognizable when I took possession of it (maybe it
> possessed me).

>

> In any case, when I removed the top cover plate, there was a rather large
> mouse skeleton staring at me, and lots of mouse droppings, to say nothing
of

> the mass of straw and twigs, etc. that filled the innards.

>

> The insides and outsides of the receiver were covered with black grime,
even

> inside the Veeder-Root counter.

>

> I started my clean-up by washing down the set with a garden hose. I then
> removed all the modules (the set is highly modular), sorting everything
into

> separate boxes.

>

> Then I cleaned the main chassis with Simple Green, and cleaned the
geartrain

> with vast quantities of WD-40, followed by repeated washes in light oil.

>

> Next, each chassis was washed and scrubbed with a toothbrush using Simple
> Green followed by copious quantities of water, and a final rinse in
> distilled water gleaned from my basement dehumidifier. That was followed
> with a thorough drying using a hairdryer.

>

> The cleanup included removing the RF and IF coils, opening those cans, and
> cleaning the grime and spider nests from the insides of the cans, also
using

> Simple Green and a toothbrush and swabs.

>

> All of the tubes and dial lamps were also washed in Simple Green. I then
> used Stabilant-22 on all connectors and tube sockets, as well as the

> sub-miniature banana plugs and jacks that are used in the R-390 to hold
the
> myriad RF coils in place.
>
> After preliminary tests and mechanical synchronization, I fired it up and
> aligned it (a 4-hr. process).
>
> The set now plays like a dream, and meets original specs! It was built in
> 1951.
>
> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.
>
>
>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Michael B. Byrd
> Sent: Sunday, February 17, 2002 6:02 PM
> To: Low Power Amateur Radio Discussion
> Subject: Scrub a Dub Dub...Look out for that high voltage plug.
>
>
> Good Day All,
>
> I could use some help with a project I am in the middle of.
> It is QRP related, because it is about a QRP radio. I bought
> a FT-301 from e-Bay this past summer and haven't had time
> to work on it yet. I was "taken" on the value as it came to me
> in rough shape. It does work, mostly, but has a terrible odor.
> It must have been stored in an basement with the trash and
> has a pungent rotting meat thing going on.
>
> In QST I read an article about restoring a R390. The author
> used Simple Green to clean the entire radio with and got the
> smell out with. Does anyone on this list have experience doing
> a scrub down like this? Perhaps, a link to information? I have
> some idea on precautions, but I am ready to be brutal and I
> don't want to go too far.
>
> You may ask , why go to all this trouble? Why not just look
> for another FT-301 in better shape? I have looked at several
> and this one is the one I ended up with. A radio over 20 years
> old picks up a lot of odor and creates a few also. It will be a
> good solid QRP rig.
>
> When I posted awhile back on this radio, many people responded
> and I know I didn't answer all the e-mail. Bruce let me know
> that Yaesu still repairs this radio. I will send it to them for

> a tuneup and for repair of some items as soon as it is clean
> enough.
>
> Thanks to all,
> Michael WD4MFB (still waiting for that vanity call)
>
>
>
>

Date: Mon, 18 Feb 2002 12:25:41 -0500
From: W2AGN <w2agn@pobox.com>
To: N8IE <n8ie@woh.rr.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120279] Re: [fpqrp] SCORE!
Message-ID: <02021812254107.08372@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Monday 18 February 2002 10:57, N8IE wrote:
> Great catch Tom, I for OH0R also.
> The bands were perfect all weekend long. I managed to up my total by around
> 30 countries, only had time to do it off and on.
>
> 72, oo
> Dan, N8IE
>

--

Talk about SOC, I did it again. I heard OH0R 599, and passed him up thinking
he was "Just another OH!."

AAAArrrrrgggghhhh!

John L Sielke W2AGN
w2agn@pobox.com

<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Mon, 18 Feb 2002 12:38:04 -0500
From: "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
To: <jamesd1@flash.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120280] Re: Radials for Verticals
Message-ID: <005101c1b8a3\$0c6f8620\$1207153f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What about using a wire mesh (chicken wire or equivalent)? Wouldn't that make a good ground plane?
Bruce ag4ny

Date: Mon, 18 Feb 2002 11:44:43 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [120281] Re: [fpqrp] SCORE!
Message-ID: <200202181744.AA01013@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

W2AGN <w2agn@pobox.com> writes:

>Talk about SOC, I did it again. I heard OH0R 599, and passed him up thinking
>he was "Just another OH!."
>
>AAAArrrrrgggghhhh!
>

As the old saying goes: "shoot first, ask questions later". :-)
Been fooled a couple times by stateside guys in my WAS hunt,
saying "gee, just another 6 calling CQ, keep tuning...", and come by
the QSO later, find out he's in a state I *need*, and he goes QRT
at the end of the QSO. :-) Hey, batter batter, *SWING*!!! :-)

72/73,

Todd, AG0T

Date: Mon, 18 Feb 2002 12:42:30 -0500

From: "Nils R. Young" <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [120282] More late breaking news on the TDA1072 AM rx chip
Message-ID: <20020218.124236.3100.3.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You poor suffering morons!

I found a place local that has the TDA1072 AM receiver chip:

Electronix (<http://www.electronix.com>) 937.878.1828/Fax 937.878.1972
or 800.223.3205/fax 800.352.9961

I'm headin' over there after work to pick up the last one in stock. The fellow I spoke with said that he had already put in the computer to order another 10 more. Electronix.com's minimum order is \$15, \$10 less than Match-A-Knob, so the possibility of me buying a bunch & sendin' 'em out to the original supplicants will still fly, so to speak. And since I'm a counter order, the minimum order hatchet don't work on me.

I'll keep you informed. Funny thing is, this place is on the opposite end of town from Roger's. Hmm . . . I wonder what Roger can get 'em for. The price difference buying from Electronix.com or Match-A-Knob is about half a buck (\$2.60 versus \$3.12).

Let the slobber iron be brought into the hotel template of RFification! Release the weasel toasters! Engage the internal tooth washers! Contract for the protochetes! Keep your hamsters in their cages, gentlemen. This is . . . well, you know . . . It's

INSANITY!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

73

Nils

. . . now, to rebuild the HF amp for the fourth time, I'm gonna just start over again . . . which is \$120.50 for 12V/20A = 150W versus \$131.55 for 28V/20A = 300W . . . you figure it out . . . I got these porcupines to polish!

Nils R. Bull Young -- El Gringo Errante
-- La Estancia de los Guajolotes Sonrientes -- W8IJN --
<http://w8ijn.tripod.com/>
"The island is closer than your memories are." -- Ian G. Bull Young, 11 Feb 2002

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Date: Mon, 18 Feb 2002 13:00:14 -0500

From: Russ Hines <wb8zcc@one.net>

To: KKANALZ@prodigy.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [120283] Re: Broadcast Band Verticals

Message-ID: <3C71412E.5E2BF573@one.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Let me see if my 20-plus years as a broadcaster can shed some light on this topic.

AM broadcast band antenna systems are mostly vertical arrays because of polarization concerns, material and real estate cost, and ease of construction. However, there are many varieties of this theme in use, from 1/4 wavelength base-fed radiators to center-fed 1/2 waves, unipoles, and lately something called a Cross-Field Radiator (a non-approved experimental antenna, the science behind this one is a bit controversial). Series-fed radiators are usually set on ceramic base insulators, while shunt-fed ones are grounded. The under the base is generally several feet of copper flyscreen, and a minimum of 120 buried radials.

Feedlines are mostly air or foam dielectric coax, but balanced feedlines are in use as well. Coaxial feedlines are usually buried beneath the radial system to prevent pattern distortion and reradiation problems. Balance feedlines are usually suspended a few feet above ground (less than 20' typical) at or below the radiator base level. A good example of a balanced feedline system was the HF Sturba Curtain array at the VOA site in Betheny, Ohio, if you ever had the pleasure of tour.

Horizontal antennas are pressed into service from time to time, in emergencies for example. I remember a station in south Florida strung up a dipole literally between two palm trees as a temporary antenna when their vertical was blown down in a storm. Center-fed slopers have been used before for temporary situations.

Antenna arrays for AM broadcast band are pretty interesting, especially coming up with matching and phasing networks to achieve a desired (or should I say required) pattern. There's some good info in the NAB

Engineering manual, and a book or two also available from the NAB if you're interested.

BTW, a half-wave dipole at 820 kHz would be approximately 570 feet long.
;-)

73,
Russ Hines
WB8ZCC

KKANALZ@prodigy.net wrote:

>
> On 2/18, Tom (in a fit of perspicacity)wrote:
>
> From: "Tom Pennebaker" <n4rs@netpath-rc.net>
> To: "Low Power Amateur Radio Discussion"
>
> >Omni-directionality.....whew..another one of those 50
> cent words..<snip>
>
> Actually, Tom, I suspect that commercial "broadcast
> band" broadcasters use verticals (rather than "hori-
> zontal") for antennas is because of:
>
> a) Cost Considerations (real estate required, mainly)
> and
> b) Filed-for-FCC-Coverage area (you know, field
> strength in microvolts-per-meter and that sort of
> thing)
>
> By the way, Tom, not ALL commercial broadcasters in
> the MF band use "omnidirectionality", especially
> *after* sundown.
>
> Can you (or anyone) imagine the length of a *DIPOLE*
> at 820 kHz? And.... at high power, how would that air-
> dielectric feedline been supported at say... a quarter-
> wave above ground? A half-wave would be even worse!
>
> Karl K - W8TIF
> McKinney, Texas

Date: Mon, 18 Feb 2002 12:30:39 -0700
From: "Michael J. Golini, K1SLT" <mgolini@home.com>

To: <qrp-1@Lehigh.EDU>
Subject: [120284] K1 4 Bander for Sale
Message-ID: <NFBBIKCEILJALLKKIILGGEHOCEAA.mgolini@home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is a repost of a previous sale. The buyer backed out(\$\$ problems). So I am relisting the K1 (with 4 bands, 40,30,20, and 15m).

Price is \$400 + shipping costs.

Pictures available upon request.

K1 with KL-4 band option. \$400 + shipping
1. K1 (#975) with 4 band filter board. Covers 150khz of 40,30,20 and 15m bands. Can be easliy set to cover approx. 80khz if desired. Just finished building in December. Will consider trade for unbuilt Wilderness Sierra (if KC2 and two bands included). Added mod for linerization of tuning range. A great little rig for the money.
2. KTS1 wide range tilt stand. (New in January)

72
Mike Golini, K1SLT
QRP-L #2362, QRP-I #11000
Elecrafft K1 #975,Code Warrior Jr. #954
<http://members.cox.net/mgolini/>

Date: Mon, 18 Feb 2002 12:44:53 -0700
From: Roy <marion@montana.com>
To: w6toy@erols.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120285] Re: vertical antenna question
Message-ID: <4.3.1.2.20020218124238.00a7edb0@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:00 AM 2/18/02 -0500, Bruce Muscolino wrote:

> If verticals are so bad, why then, do
>nearly all the commercial broadcast stations use them!

Because they are transmitting only, with big power.

Roy AB7CE

Date: Mon, 18 Feb 2002 14:54:55 -0500
From: "ZOOM" <kandiparker@sympatico.ca>
To: <n4rs@netpath-rc.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120286] Re:
Message-ID: <00c501c1b8b6\$233eee50\$c791fea9@wishfullko46s4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's so they have all around coverage. Hence Omnidirectional. A commercial station would not have a beam and serve only a portion of their audience. Imagine an airport with just a beam for Aircraft communications. The poor pilots who are behind the beam would have some difficulty contacting the Airport.

If it's to service an area then vertical and if it's to service a particular region then use a beam.

----- Original Message -----
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, February 18, 2002 11:31 AM

> 'If verticals are so bad, why then, do
> nearly all the commercial broadcast stations use them! '
>
> Omni-directionality.....whew..another one of those 50 cent words.....
>
>
>

Date: Mon, 18 Feb 2002 15:15:25 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: qrp-l@lehigh.edu

Subject: [120287] Vertical Antennas
Message-ID: <3C7160DD.426ACF87@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have had a number of replies to my posting about vertical antennas. Most of them tell me that commercial broadcasters only transmit and they use high power. This is pretty much true, but it is no reason to denigrate the vertical as a ham band antenna!

True, most broadcasters only transmit. That's what they are in business for. Power is relative. Some broadcast stations run 50 kw, some only run 100 or 250 watts!

They do all use verticals. The space and pattern for a horizontal antenna is not acceptable to most of them. They use verticals, and as one person pointed out, they spend a lot of time and effort on optimizing their antennas!

Most hams, on the other hand, see something about a great new antenna and put it up without looking at what it is or what it is about! In the past, say over 30 years ago, there were a lot of verticals offered to the ham community. If you read the advertisements you will find one thing in common for most of them, they almost never mention the word GROUND!

Many hams put them up and found they did not perform as they had hoped. Some contacted the manufacturers, some read up on verticals. The manufacturers would say, after a while, "oh yes, a ground is required". The ham literature said it definitely! When a ground was installed the antennas started to perform like antennas rather than dummy loads.

We are all supposed to be technically competent to some degree. If we don't read up on what our antenna is we will never get the best performance from it! We will continually look for new and better antennas written up in our literature. Incidentally, we are not so good about talking about grounds. An indication is the amount of confusion about earth ground and RF ground!

In short, there is not an free lunch with antennas either! Part of ham radio is getting the best performance out of what we do.

Many hams do not have the ability to put up a full sized dipole. What are they to do? Yes, they can use something like a hamstick dipole, but they must also be able to rotate it, if even only manually! The vertical represents a decent antenna. Yes it is a compromise. So is any shortened antenna! You're hams, if you can't solve a little problem so

you can get on the air, you shouldn't have the name! Remember, all the "great white hairs" in or past were amateurs too, once!

73

Date: Mon, 18 Feb 2002 12:45:05 -0800 (PST)
From: Doug Simpson <dsimpson@darkwing.uoregon.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [120288] Toss your battery! New charger almost here (up to 6 Watts @ 18V)
Message-ID: <Pine.GS0.4.44.0202181232020.6438-100000@darkwing.uoregon.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just saw an article on Slashdot that points to this story in the Register:

<http://www.theregister.co.uk/content/54/24090.html>

AlladinPower (in the US) is developing --

"...a device which lets users recharge batteries using a foot-operated pump."

"The StepCharger, from AladdinPower, gives approximately 20 minutes of laptop power after five minutes of brisk pumping."

"The StepCharger weighs 10.5 ounces and is roughly the size of a paperback book; it can be used to charge anything from satellite phones to digital cameras and video cameras, as well as laptops. In fact it works with most electrical devices with a rechargeable battery. It provides up to six watts charge at 18 Volts DC..."

They already have a hand-held charger that produces up to 1.6 watts when pumped at 90 squeezes a minute. (Comes with a built-in light and a cigarette adapter)

Next expedition, leave that bulky battery at home! Just take your sweats and some disco music to bop to as you charge, charge, charge away. (You'll save weight on all those now-unnecessary layers of warm clothing too. :) :)

72,

Doug Simpson, WA7SKY
(in and around Eugene, OR)

Date: Mon, 18 Feb 2002 16:00:24 EST
From: IamSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [120289] Thanks everyone
Message-ID: <16.1a5a21fa.29a2c568@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks to everyone who responded to let me know my post are making it.
I have to post here and read from Yahoo. Com.
I can't post from Yahoo.com and I did uncheck the signature box.
If someone can tell me how to configure yahoo.com I can dump AOL because
where I live now I have free E mail and web surfing with Yahoo.com.
I'm open for suggestions.
Maany thanks
Bob
WA2HQrp <tm>.....Still waiting for AF2Q:(

Date: Mon, 18 Feb 2002 14:41:48 +0000
From: "James R. Duffey" <jamesd1@flash.net>
To: Bruce Shaw AG4NY <ag4ny@ivwnet.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [120290] Re: Radials for Verticals
Message-ID: <B896C32C.11B6B%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bruce - Yes, using wire mesh will provide a good ground system for vertical
antennas. Mesh spacing should be below 0.02 wavelengths or so. This is 20 cm
(8 inches at 10 M).

There are two problems using mesh. One is that it is harder to lay down than
individual wires. Of course if you are starting a lawn from scratch, you can
just lay sod over the mesh. The second problem is that the galvanized steel
that most chicken wire is made of deteriorates fast in the ground. Vinyl
covered steel is available and should be OK.

I hope that this helps. - Duffey

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Mon, 18 Feb 2002 14:50:34 +0000
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>
Subject: [120291] RE: Radials for Verticals
Message-ID: <B896C539.11B6F%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Tracy - Right you are! I guess that it is more properly called a choke.
Early Ham literature referred to these as "sortabaluns", but W7EL forever
burned the term current balun into our literature. - Duffey

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Mon, 18 Feb 2002 14:56:20 -0700
From: "Jerry McCollom" <w0mc@radioactivehams.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120292] [FOX] W0MC FOX LOG 2-14-02 (PRELIMINARY)
Message-ID: <00a101c1b8c7\$2a1d4ad0\$baac11d8@MCCOLLOM186>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks,

Well it was certainly one of my better outings as the fox last Thursday. A
total of 81 contacts is a personal best. I felt like I was on a roll for
the first hour, but then started losing my concentration and having more
difficulty picking out calls. This is the first time I worked a real split
and I believe it made for an easier time.

Here's the log. Let me know of any corrections and I'll get a final log out
in a few days.

Thanks & 73,
Jerry W0MC

TIME	CALL	RST	ST	NAME	PWR
----	-----	---	--	-----	---
0204	WV9N	559	OH	RANDY	5W
0205	W5YR	559	TX	GEORGE	5W
0206	VE5RC	559	SK	BRUCE	5W
0207	W0UFO	559	MN	MERT	5W
0208	N9NE	559	WI	TODD	5W
0210	VE6EX	559	AB	DAN	5W
0211	N0AR	559	MN	SCOTT	5W
0211	W0CH	579	MO	DAVE	900mW
0212	K4GT	559	GA	JIM	5W
0213	K5SR	559	TX	DALE	5W
0214	W0RSP	569	SD	ADE	2W
0215	NQ7X	559	AZ	FLOYD	5W
0216	K7TQ	559	ID	RANDY	5W
0216	VA6RF	559	AB	EARL	5W
0218	N4ROA	559	VA	DAN	4W
0220	K5JHP	559	TX	BILL	5W
0221	AC5JH	559	OK	TOM	5W
0222	KI0II	559	CO	RON	5W
0223	W9HL	559	IL	RANDY	5W

0224	W9XU	559	WI	LON	5W
------	------	-----	----	-----	----

0225	N4DD	559	TN	DENNIS	5W
------	------	-----	----	--------	----

0226	K3PH	559	PA	BOB	5W
------	------	-----	----	-----	----

0227	WA9TZE	559	WI	JIM	5W
------	--------	-----	----	-----	----

0228	N0TK	559	CO	DAN	5W
------	------	-----	----	-----	----

0231	VE3FAL	579	ONT	FRED	5W
------	--------	-----	-----	------	----

0231	N9AW	579	WI	JERRY	5W
------	------	-----	----	-------	----

0232	AA50	559	LA	VERN	5W
------	------	-----	----	------	----

0233	W5YA	589	NM	FRED	5W
------	------	-----	----	------	----

0234	W5USJ	559	TX	CHUCK	5W
------	-------	-----	----	-------	----

0235	N1TP	559	FL	TOM	5W
------	------	-----	----	-----	----

0237	N0DSP	599	CO	TOM	5W
------	-------	-----	----	-----	----

0238	N0RC	599	CO	ROD	5W
------	------	-----	----	-----	----

0240	KQ5U	579	TX	TERRY	5W
------	------	-----	----	-------	----

0243	KD5KXF	559	TX	MIKE	5W
------	--------	-----	----	------	----

0244	W5TB	559	TX	DOC	5W
------	------	-----	----	-----	----

0245	N0IT	579	MO	DAVE	5W
------	------	-----	----	------	----

0246	WE9K	559	WI	GLENN	5W
------	------	-----	----	-------	----

0247	K4TJD	579	GA	TOM	5W
------	-------	-----	----	-----	----

0248	K0FRP	579	CO	AL	5W
------	-------	-----	----	----	----

0249	AF4LQ	579	KY	MIKE	5W
0250	WR50	579	TX	DAVE	5W
0251	KB9LGJ	559	CA	TIM	5W
0253	AA7XA	559	OR	FRANK	5W
0254	K6VNX	559	CA	ARLEN	5W
0255	K5DW	559	TX	DON	5W
0256	AA4PS	579	FL	MAC	3W
0257	K9IS	559	WI	STEVE	4W
0258	NK6A	559	CA	DON	5W
0300	W0PWE	559	IA	JERRY	5W
0301	KB7WW	559	OR	ART	5W
0303	K5E0A	559	LA	WAYNE	5W
0304	NK9G	559	WI	RICK	5W
0306	K9DC	559	IN	DAVE	5W
0308	N6WG	339	CA	BOB	5W
0309	K2PQ	559	NJ	FRANK	5W
0310	N0HRL	559	MN	KEN	5W
0312	K8KFJ	559	WV	GARY	5W
0314	W7ILW	559	AZ	WALT	5W
0316	N3ZPQ	559	OH	FRANK	4W

0317	KG6CYN	559	CA	TREV	5W
0318	N2WW	559	CO	LARRY	5W
0319	N1FN	559	CO	ET	5W
0320	W8RU	579	MI	RON	5W
0321	KK5NA	559	TX	JOE	5W
0322	VE4WI	559	MB	CRAIG	5W
0323	AB0CD	599	CO	DICK	5W
0324	K50I	559	OK	TIM	5W
0325	KV2X	559	NY	TOM	5W
0329	K5JHP	559	TX	BILL	5W
0331	NN5E	559	TX	VERN	5W
0334	N5IB	559	LA	JIM	5W
0336	KC0ATC	559	CO	CHRIS	3W
0340	KD9LC	559	WA	RANDY	5W
0341	VE6EX	559	AB	DAN	5W
0344	KC1FB	559	CT	JIM	5W
0346	N0UR	579	MN	JIM	5W
0348	WE6W	229	CA	ED	4W
0352	WA8BXN	559	OH	MIKE	5W
0353	AG0T	559	ND	TODD	4W

0357 WB6BWZ 559 GA MATT 5W

0359 K4FB 559 FL PAUL 5W

0400 W0MC CO FOX 5W

Date: Mon, 18 Feb 2002 18:00:29 -0400
From: "Laurie Landry" <landr@nbnet.nb.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [120293] Re: Radials for Verticals
Message-ID: <002201c1b8c7\$ae11f660\$d228a50a@nbtel.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fine articles were written by Jerry Sevick, W2FMI, regarding Verticle
Antennas, radials and matching. These appeared in QST . One is dated April
1978, others appeared in 1972, 1973 and other dates that I don't have at hand.

Laurie VE1AWJ

Date: Mon, 18 Feb 2002 16:56:53 -0600
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [120294] MNQRP FYBO 20002
Message-ID: <00fd01c1b8cf\$902b9180\$03000000a@mcg.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Hi all,

FYBO pictures and results are on our club website.

<http://www.qsl.net/mnqrp>

73 de Cla KA0GKC

Date: Mon, 18 Feb 2002 15:10:09 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [120295] Portable operations with end feed antennas
Message-ID: <004401c1b8d1\$69421a60\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys,

This may be a real stupid question, but here goes. I'm going camping next month and I want to take one of my QRP rigs and use just an end fed wire antenna with counterpoise for each band (40, 20, 30, and 15). I plan to throw the end of the antenna up in a tree, as high as I can. Now, what happens if a big just of winds blows and drags my radio, tuners, paddles right off of the picnic table?? How do you guys circumvent this problem? Don't laugh, I've only used verticals in the past for portable ops.

And one more question: since I will have a 40M counterpoise, will I also need one for 15M?

Thanks,
Kory
AC6RN

Date: Mon, 18 Feb 2002 18:10:27 -0500
From: "Mike, Diane and Vicky" <tignor@attglobal.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [120296] Who has the best selection and price on in-stock qrp crystals?
Message-ID: <LPBBJEBJGENIAJFILJKGKEBOCFAA.tignor@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Spent a long time looking today with not much luck.

thanks, Mike

Date: Mon, 18 Feb 2002 17:22:43 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [120297] FOX: Reminder Cub Fox 2/19/02 - N0IT
Message-ID: <3C718CC2.25EAD0B5@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

N0IT will be your Cub Fox tomorrow night starting at 8:00PM CST (0200Z 02/19 GMT), 9:00PM EST, 7:00PM MST, 6:00PM PST). Look for me around 7.055 MHz (+/- QRM), and will be working up 300-700 hz at the start of the evening's festivities.

My exchange will resemble the following: K5DI 559 MO DAVE 5W K5DI <BK>

If I copy your info OK, I'll send "TU" or "TU DE N0IT FOX", depending on how big the pile is. If I need a fill, I'll send RPT/SPC/NAME/PWR ? <BK>, or "K5DI AGN? <BK>" if I missed the whole shebang. PLEASE NOTE: The *ONLY* time I'll be sending anything with "?" is if I'm asking for a fill. PLEASE DON'T ALL JUMP IN AT ONCE IF I SEND "K5?". :-)

I'm going to do my level best to thin the pile early. If you don't have RIT or are not equipped to work split, try to spot yourself on the high side of my TX as far as you can, and still be able to copy me. I won't work any closer to my TX frequency than about 300 hz until I can thin out the pack. If you can't spot yourself that far away, please be patient, and let me clear the pile. When things die down, I *will* work closer to my TX freq, traffic permitting, as I want to give everyone a chance at a pelt. Sit back and listen for me to start working closer to my TX freq. If things slow to a crawl later in the hunt, and I'm calling CQ FOX to drum up business, I'll take you wherever you are, but if business picks up, I'll start working up 300 hz or higher again.

So, come one, come all, and get yourself a nice pelt tomorrow night.

72/73,

Dave, N0IT

Date: Mon, 18 Feb 2002 18:41:45 -0500
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [120298] Radial Installation
Message-ID: <5.0.2.1.0.20020218182156.02288970@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

This is for folks in non-desert climates

Getting radials into the ground is not much fun but thought I would pass along my favorite method. Wait for a rainy day in the spring time and lay out the radials from the base of the ground mount vertical...solid wire works best.....then just push it in with your feet.. A small trowel or gardening weed tool helps sometimes. The neighbors may think you are a little strange for wandering around the yard but that's nothing new. :-)

73

Pete NV4V

End of QRP-L Digest 2470

